

Data File : VL037051.D
Acq On : 24 May 2021 16:47
Operator : SY/AP
Sample : M2262-13 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:35 PM

Quant Time: May 25 16:23:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1155631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3473397	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3091838	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2226508	9.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	33770m	0.172	ppbv	
3) Chlorodifluoromethane	2.97	51	28570	0.135	ppbv	94
4) Chloromethane	3.12	50	6335	0.088	ppbv #	78
5) Vinyl Chloride	3.24	62	7984m	0.101	ppbv	
6) Bromomethane	3.46	94	6302m	0.152	ppbv	
7) Chloroethane	3.54	64	2738	0.107	ppbv	89
8) Dichlorotetrafluoroethane	3.17	85	22159	0.120	ppbv	86
9) Propene	2.99	41	8281	0.109	ppbv #	16
10) Heptane	8.10	43	17109m	0.091	ppbv	
11) Trichlorofluoromethane	3.93	101	25031m	0.138	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	18060m	0.140	ppbv	
14) Bromoethene	3.72	108	7245m	0.127	ppbv	
15) Acetone	3.87	43	27694m	0.234	ppbv	
16) 1,3-Butadiene	3.31	39	8562m	0.116	ppbv	
17) tert-Butyl alcohol	4.34	59	11790m	0.109	ppbv	
18) 1,1-Dichloroethene	4.27	96	7535m	0.126	ppbv	
20) Methylene Chloride	4.33	84	32641m	0.514	ppbv	
21) Allyl Chloride	4.39	41	12003m	0.134	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	8433m	0.147	ppbv	
23) Vinyl Acetate	5.08	43	22958m	0.122	ppbv	
24) 1,1-Dichloroethane	4.99	63	15848m	0.117	ppbv	
25) Ethyl Acetate	5.67	43	29978	0.105	ppbv #	88
26) Hexane	5.66	57	26911m	0.185	ppbv	
27) Carbon Disulfide	4.53	76	9676m	0.066	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	17395m	0.100	ppbv	
29) Chloroform	5.73	83	26716m	0.130	ppbv	
30) Cyclohexane	7.11	84	15249m	0.123	ppbv	
31) cis-1,2-Dichloroethene	5.52	61	16791m	0.129	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	23009m	0.104	ppbv	
34) 2-Butanone	5.25	43	20672m	0.163	ppbv	
35) Carbon Tetrachloride	6.99	117	20527m	0.089	ppbv	
36) Benzene	6.87	78	29660	0.099	ppbv #	91
37) 1,2-Dichloroethane	6.28	62	16491m	0.111	ppbv	
38) Trichloroethene	7.82	130	14669m	0.115	ppbv	
39) 1,2-Dichloropropane	7.59	63	15084m	0.131	ppbv	
41) Tetrahydrofuran	6.09	42	7074m	0.098	ppbv	
42) Bromodichloromethane	7.77	83	19101m	0.085	ppbv	
43) Methyl Methacrylate	8.01	69	8637m	0.084	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	52905m	0.103	ppbv	
45) t-1,3-Dichloropropene	9.26	75	3896m	0.049	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	7347m	0.069	ppbv	

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5/25/2021 6:00:35 PM

Quant Time: May 25 16:23:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
47) 1,1,2-Trichloroethane	9.46	97	13238m	0.110	ppbv		
48) Dibromochloromethane	10.28	129	12092m	0.062	ppbv		
49) Bromoform	13.01	173	7996m	0.050	ppbv		
50) 4-Methyl-2-Pentanone	8.76	43	22351m	0.107	ppbv		
51) 2-Hexanone	10.18	43	8004m	0.073	ppbv		
52) Tetrachloroethene	11.20	164	13646m	0.115	ppbv		
53) Toluene	9.78	91	31324m	0.088	ppbv		
54) 1,2-Dibromoethane	10.58	107	17252m	0.101	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.10	131	13038m	0.100	ppbv		
57) Chlorobenzene	12.12	112	29235	0.122	ppbv	#	94
58) Ethyl Benzene	12.68	91	41229m	0.094	ppbv		
59) m/p-Xylene	12.97	91	70250m	0.195	ppbv		
60) o-Xylene	13.66	91	38307m	0.111	ppbv		
61) Styrene	13.50	104	15962m	0.082	ppbv		
62) Isopropylbenzene	14.64	105	52400m	0.106	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.66	83	26517m	0.103	ppbv		
64) n-propylbenzene	15.55	120	11245m	0.088	ppbv		
65) tert-Butylbenzene	16.72	119	46697m	0.105	ppbv		
66) Benzyl Chloride	16.98	91	2103m	0.085	ppbv		
67) sec-Butylbenzene	17.27	105	62884m	0.103	ppbv		
69) p-Isopropyltoluene	17.64	119	46304m	0.088	ppbv		
70) n-Butylbenzene	18.54	91	38726m	0.078	ppbv		
71) 2-Chlorotoluene	15.43	91	38383m	0.107	ppbv		
72) 4-Ethyltoluene	15.82	105	36304m	0.089	ppbv		
73) 1,3,5-Trimethylbenzene	15.98	105	37033m	0.097	ppbv		
74) 1,2,4-Trimethylbenzene	16.75	105	37484m	0.095	ppbv		
75) 1,3-Dichlorobenzene	16.98	146	26833m	0.111	ppbv		
76) 1,4-Dichlorobenzene	17.13	146	27873m	0.114	ppbv		
77) 1,2-Dichlorobenzene	17.80	146	24961m	0.103	ppbv		
78) Hexachloro-1,3-Butadiene	23.37	225	22559m	0.116	ppbv		
79) Naphthalene	22.19	128	12527m	0.040	ppbv		
81) 1,2,4-Trichlorobenzene	21.92	180	10114m	0.053	ppbv		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
LOD-MDL-AIR-01-OT2-2021

Manual Integrations

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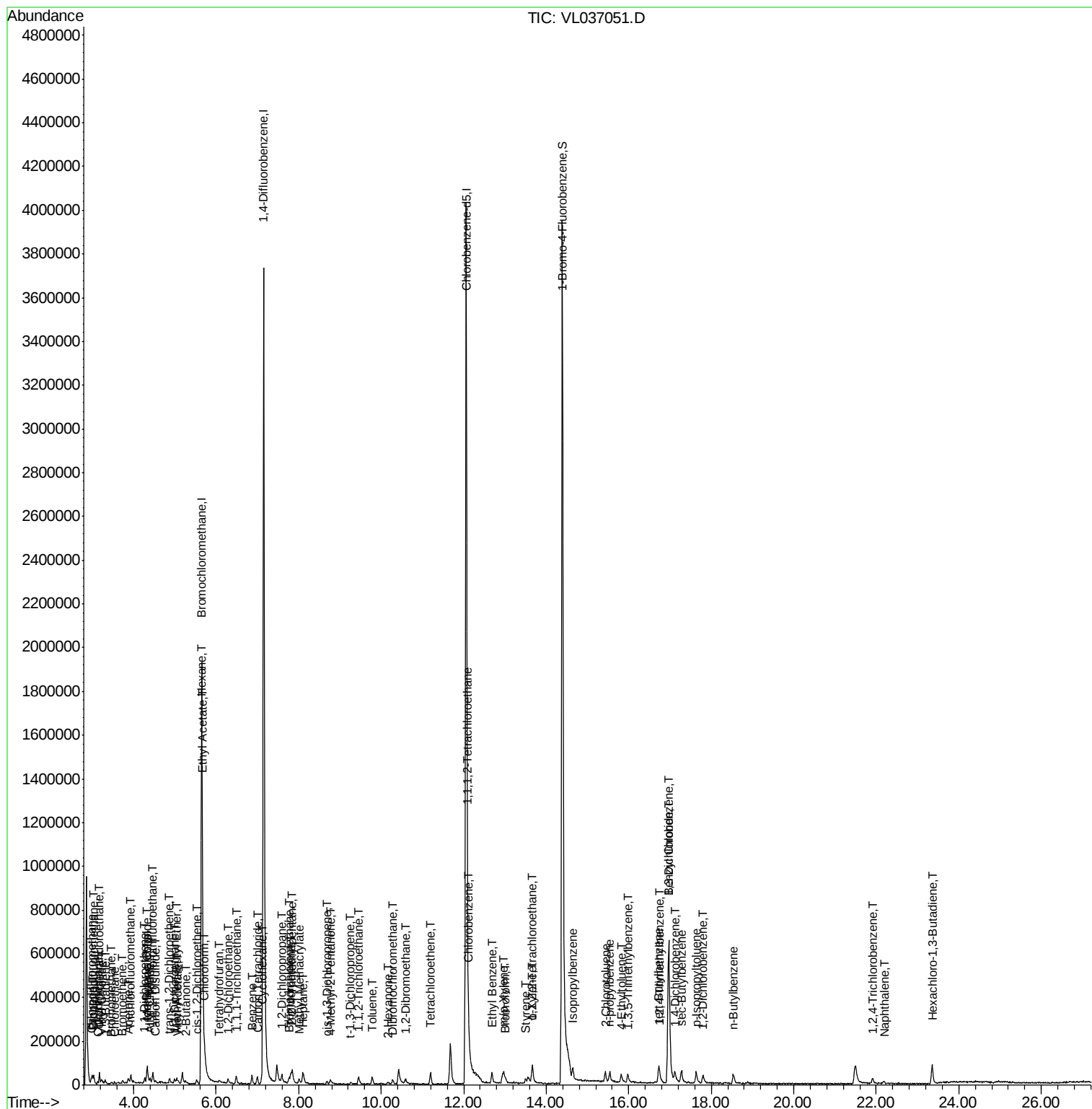
Quant Time: May 25 16:23:20 2021

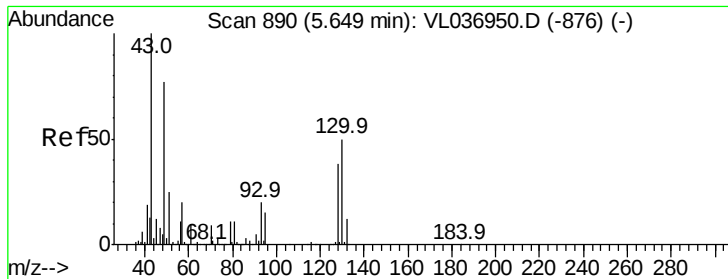
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL051821AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue May

QLast Update : Tue May 18 12:00:15 2021

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

Lab File: VL037051.D

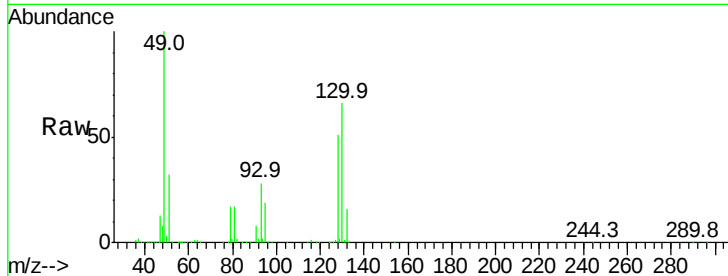
Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021



Tgt Ion: 49 Resp: 1155631

Ion Ratio Lower Upper

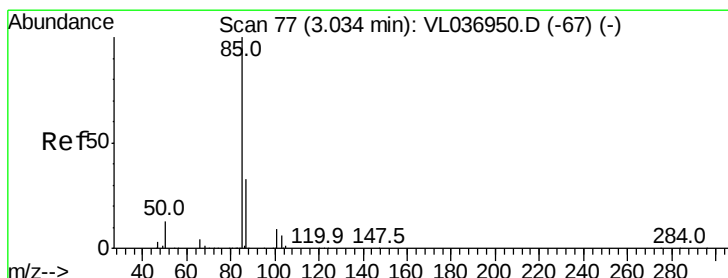
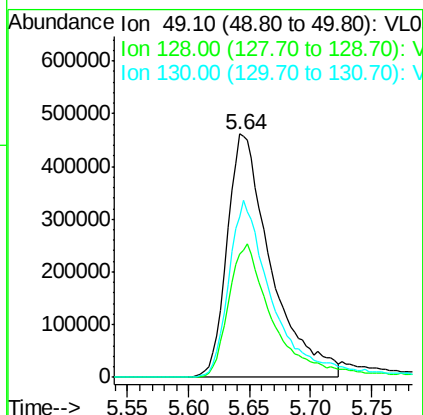
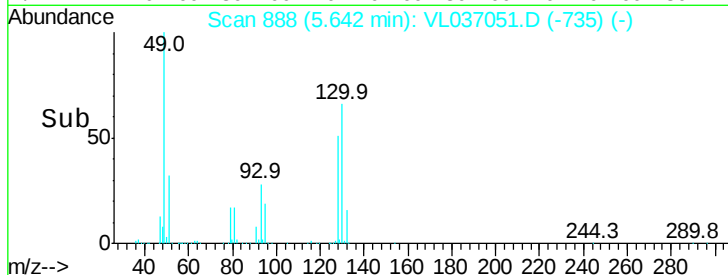
49 100

128 58.4 26.9 80.7

130 75.4 33.8 101.4

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#2

Dichlorodifluoromethane

Concen: 0.172 ppbv m

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL037051.D

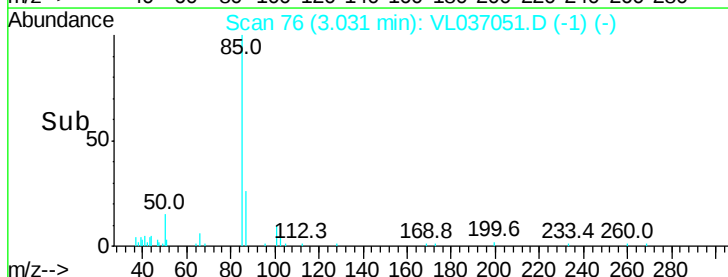
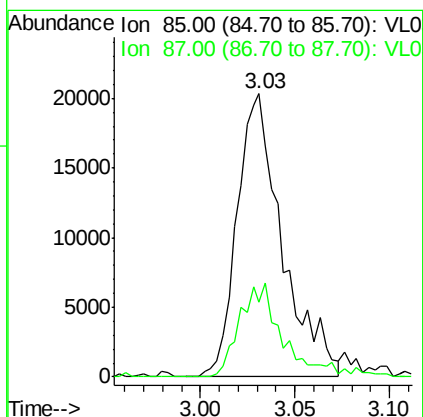
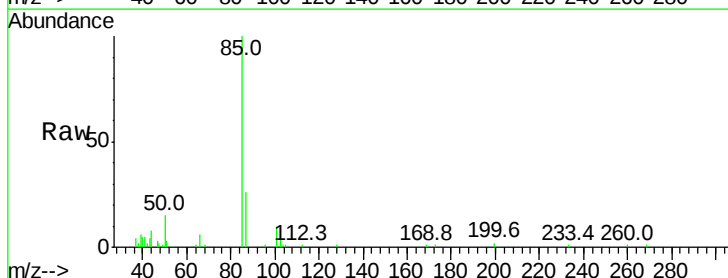
Acq: 24 May 2021 16:47

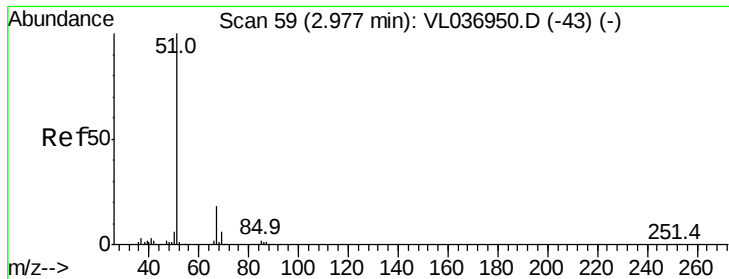
Tgt Ion: 85 Resp: 33770

Ion Ratio Lower Upper

85 100

87 26.5 26.6 39.8#





#3

Chlorodifluoromethane

Concen: 0.135 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 51 Resp: 28570

Ion Ratio Lower Upper

51 100

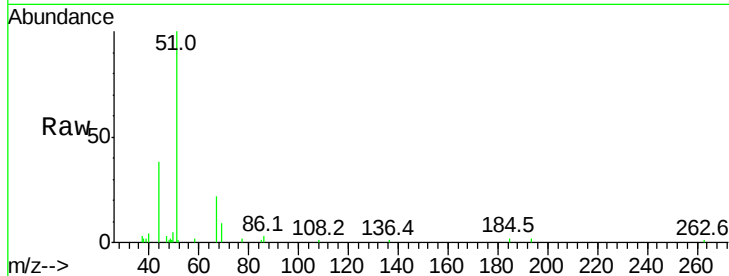
67 21.0 14.6 21.8

Manual Integrations

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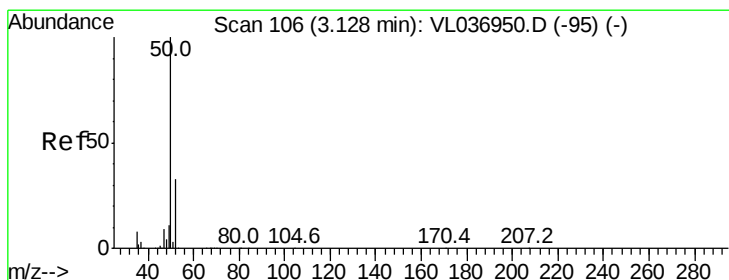
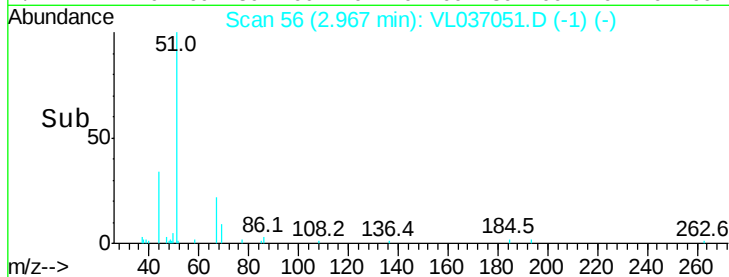
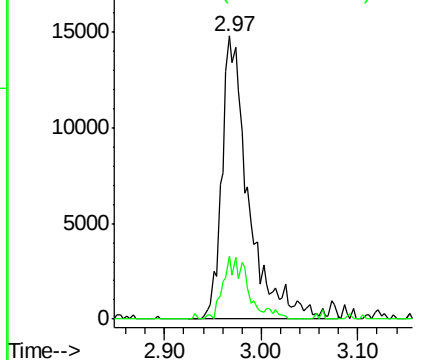
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.088 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL037051.D

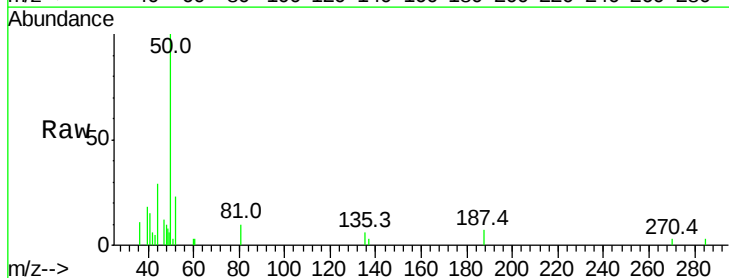
Acq: 24 May 2021 16:47

Tgt Ion: 50 Resp: 6335

Ion Ratio Lower Upper

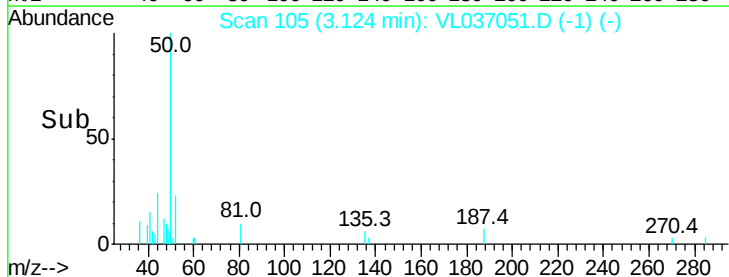
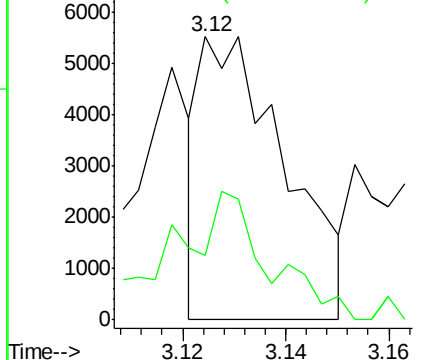
50 100

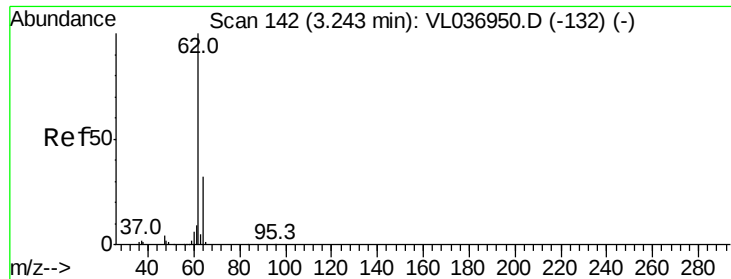
52 20.5 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.101 ppbv m

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

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ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 62 Resp: 7984

Ion Ratio Lower Upper

62 100

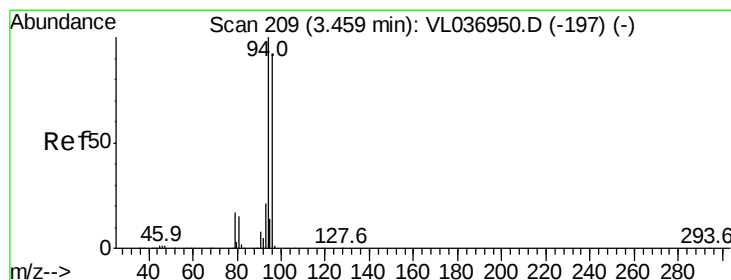
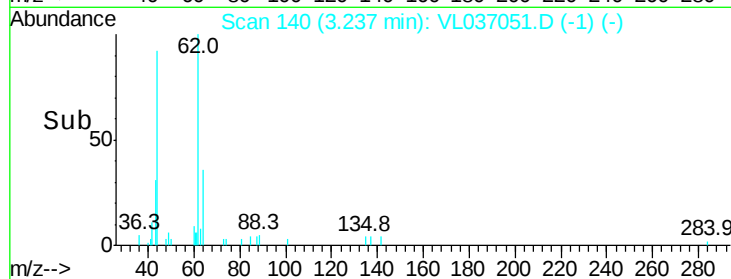
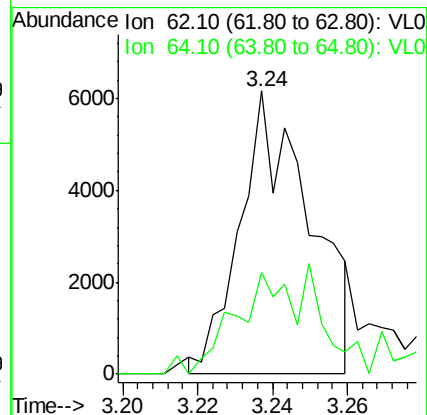
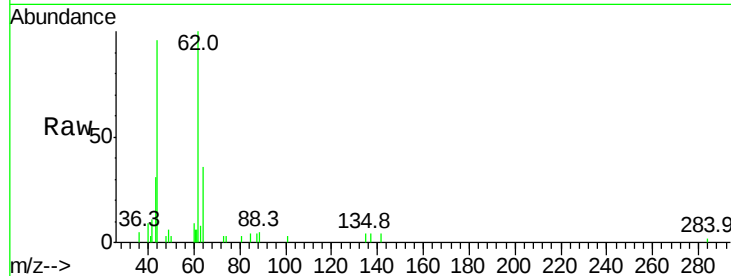
64 35.9 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 0.152 ppbv m

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL037051.D

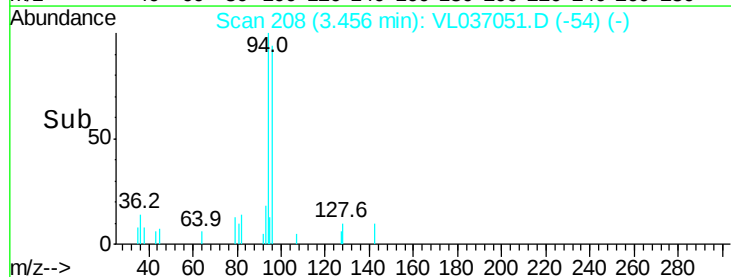
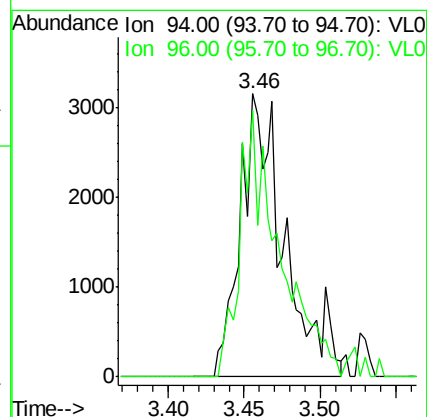
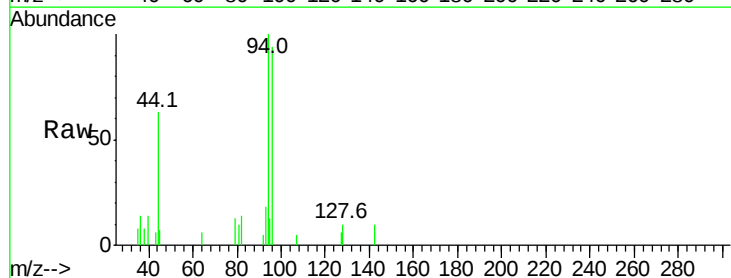
Acq: 24 May 2021 16:47

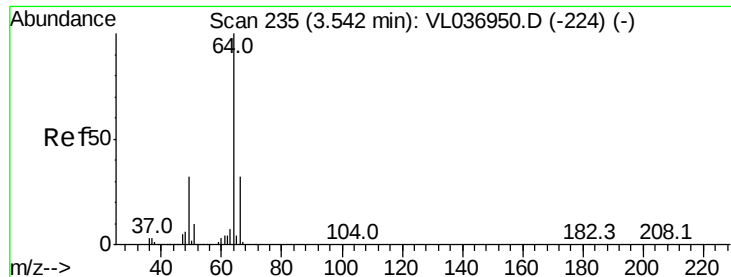
Tgt Ion: 94 Resp: 6302

Ion Ratio Lower Upper

94 100

96 94.3 74.0 111.0





#7

Chloroethane

Concen: 0.107 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 64 Resp: 2738

Ion Ratio Lower Upper

64 100

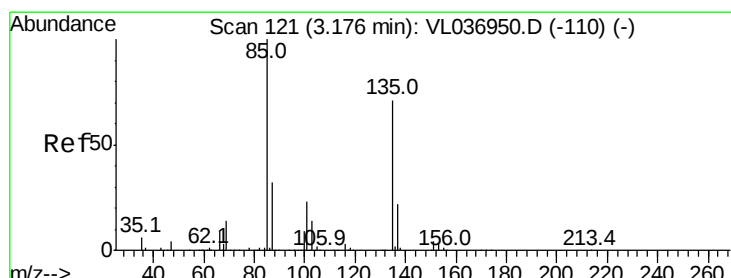
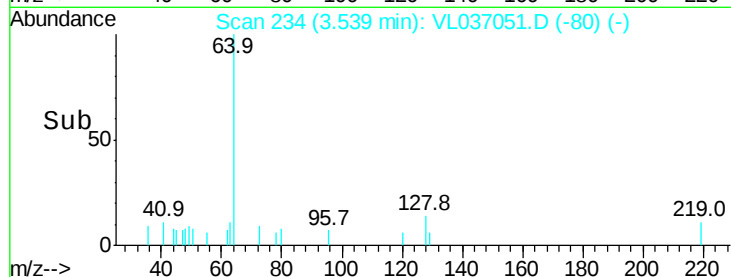
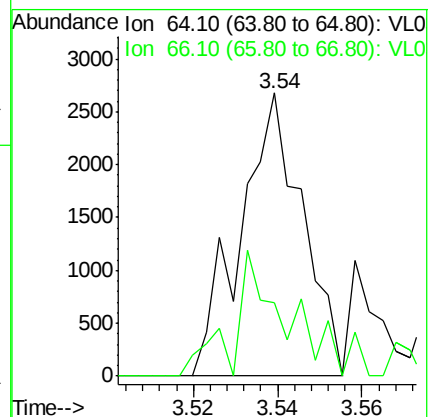
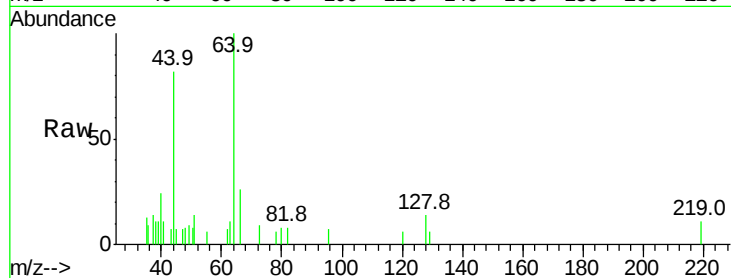
66 25.7 25.4 38.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.120 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.01 min

Lab File: VL037051.D

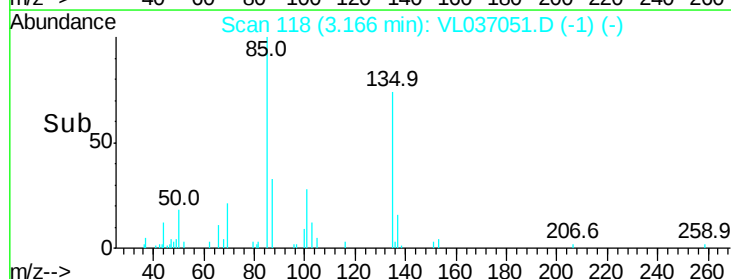
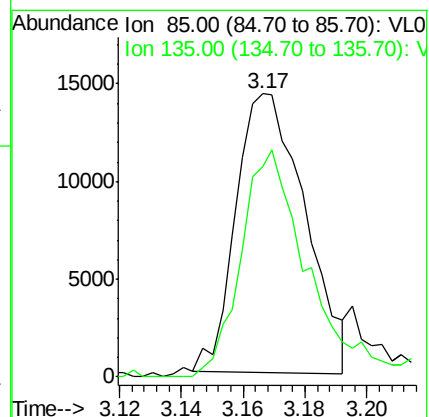
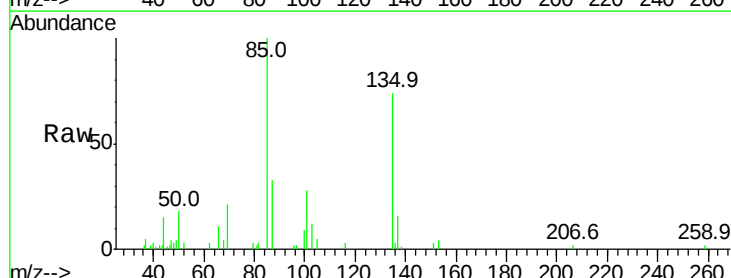
Acq: 24 May 2021 16:47

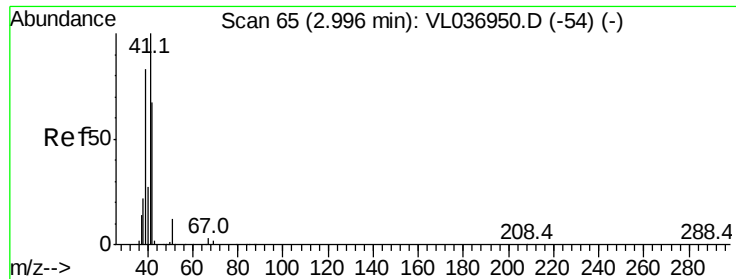
Tgt Ion: 85 Resp: 22159

Ion Ratio Lower Upper

85 100

135 83.4 57.7 86.5





#9

Propene

Concen: 0.109 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

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ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 41 Resp: 8281

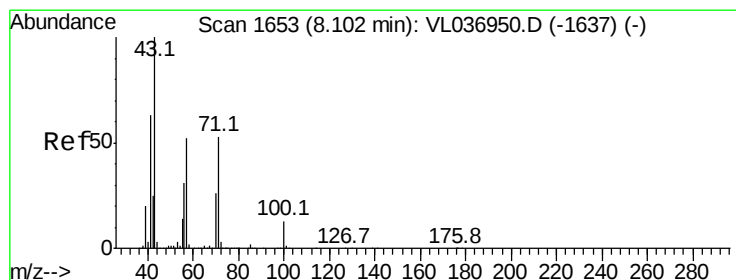
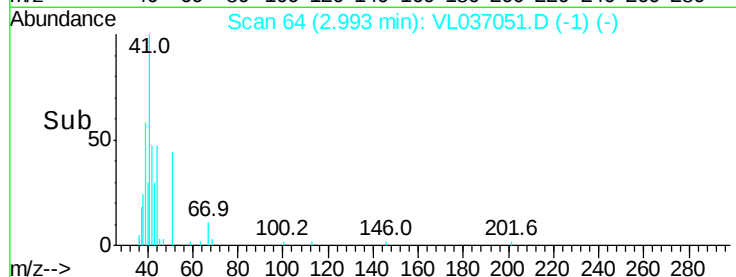
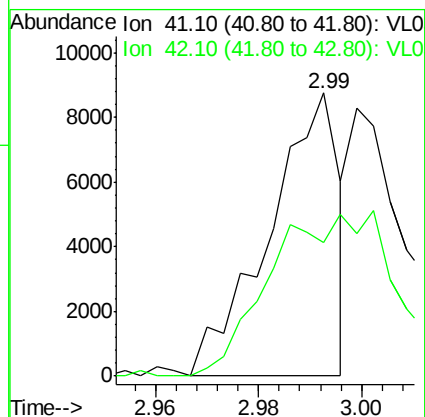
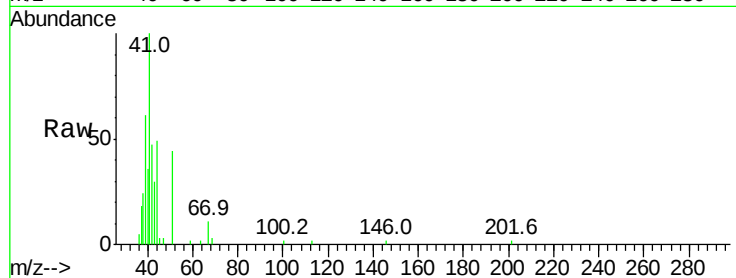
Ion Ratio Lower Upper

41 100

42 0.0 53.9 80.9#

Manual Integrations
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#10

Heptane

Concen: 0.091 ppbv m

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL037051.D

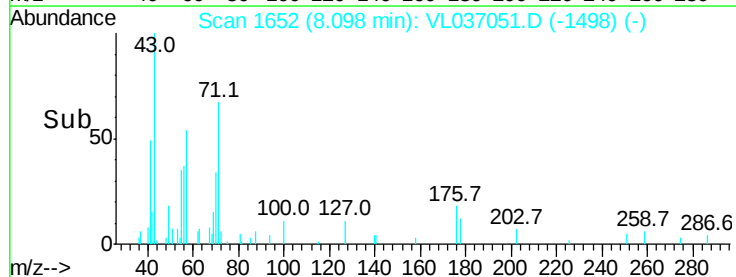
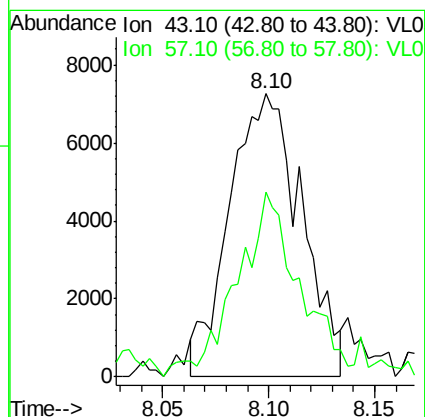
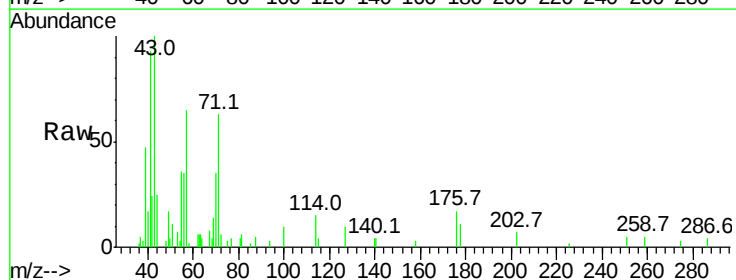
Acq: 24 May 2021 16:47

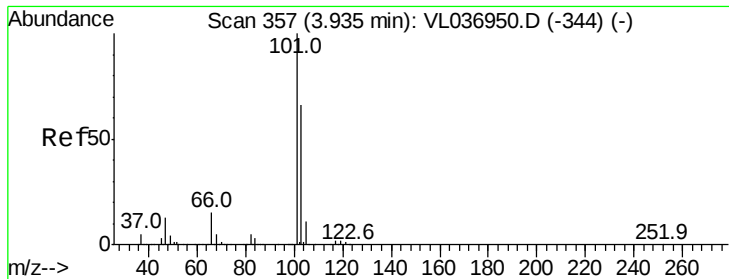
Tgt Ion: 43 Resp: 17109

Ion Ratio Lower Upper

43 100

57 60.2 41.0 61.6





#11

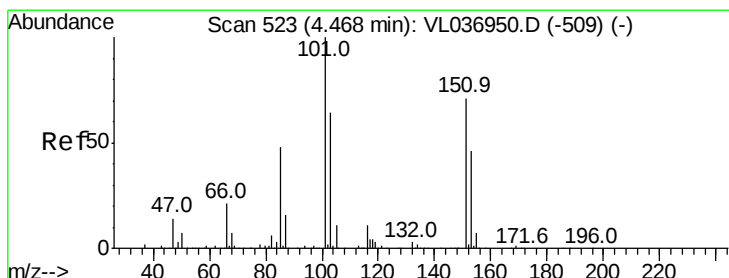
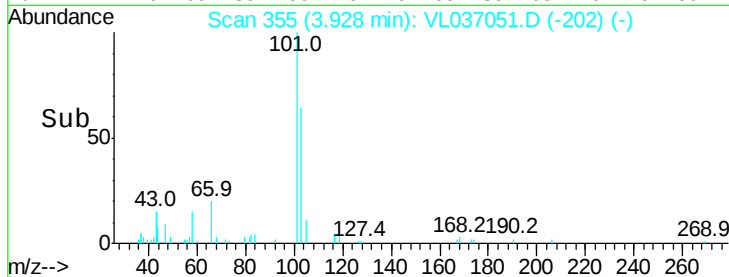
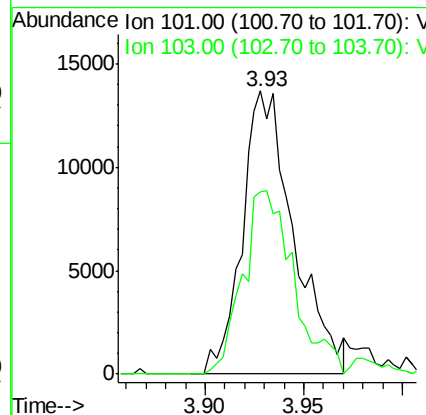
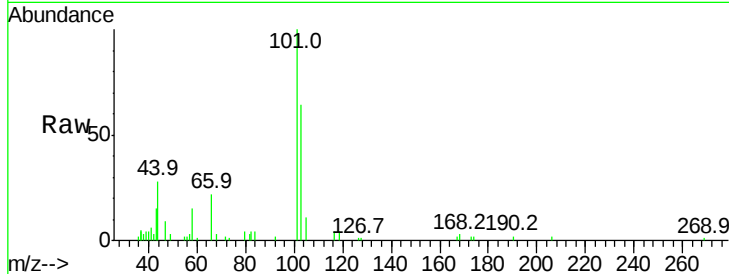
Trichlorofluoromethane
Concen: 0.138 ppbv m
RT: 3.93 min Scan# 355
Delta R.T. -0.01 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion:101 Resp: 25031
Ion Ratio Lower Upper
101 100
103 64.2 52.6 79.0

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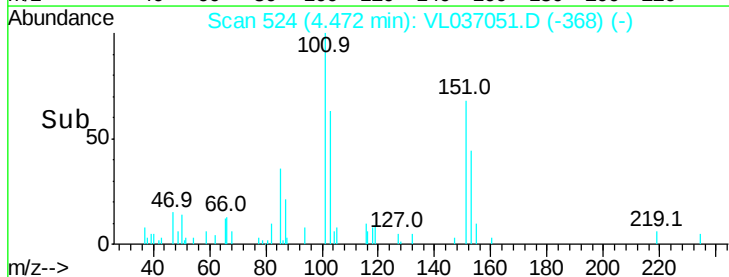
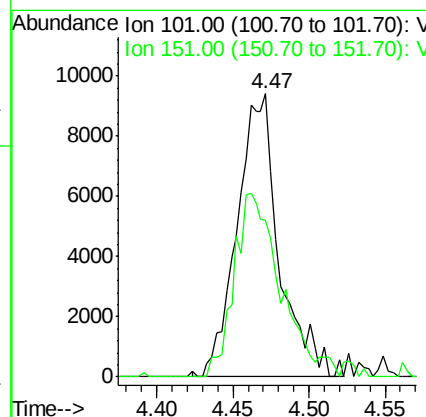
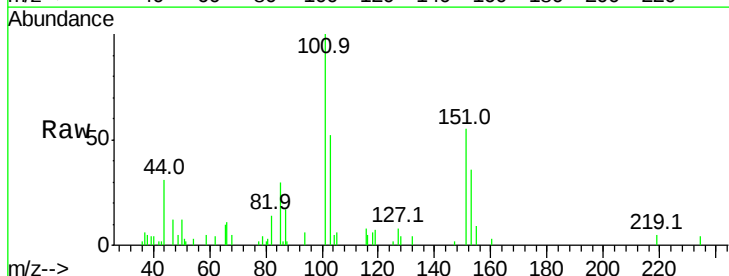
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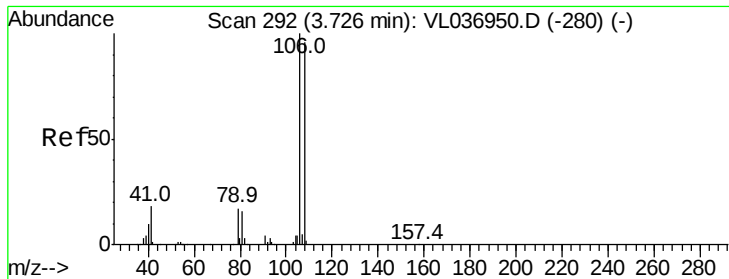


#12

1,1,2-Trichlorotrifluoroethane
Concen: 0.140 ppbv m
RT: 4.47 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Tgt Ion:101 Resp: 18060
Ion Ratio Lower Upper
101 100
151 73.7 57.7 86.5





#14

Bromoethene

Concen: 0.127 ppbv m

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL037051.D

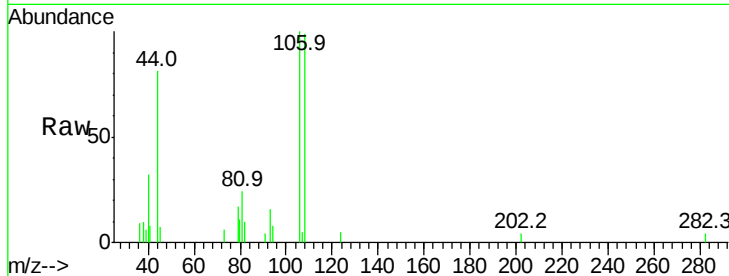
Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

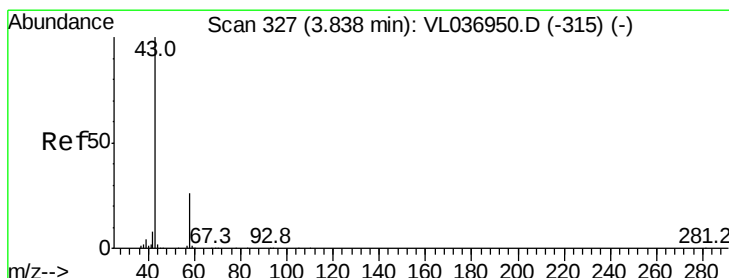
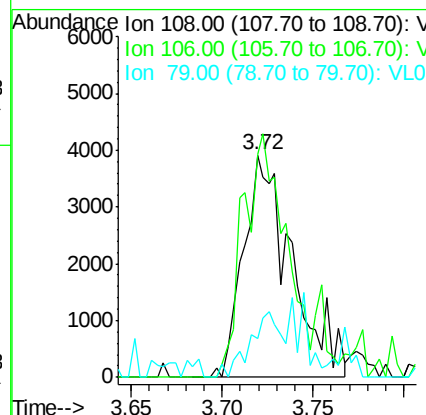
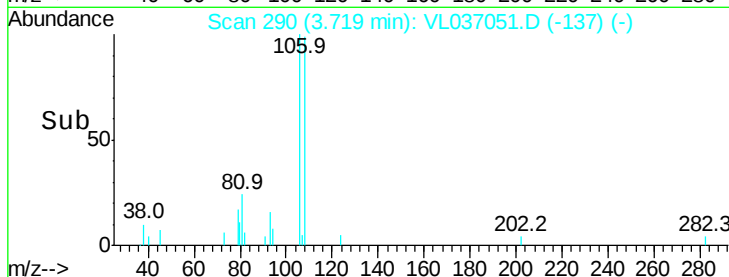
LOD-MDL-AIR-01-QT2-2021



Tgt Ion:	108	Resp:	7245
Ion Ratio	Lower	Upper	
108	100		
106	0.0	86.5	129.7#
79	0.0	15.0	22.4#

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#15

Acetone

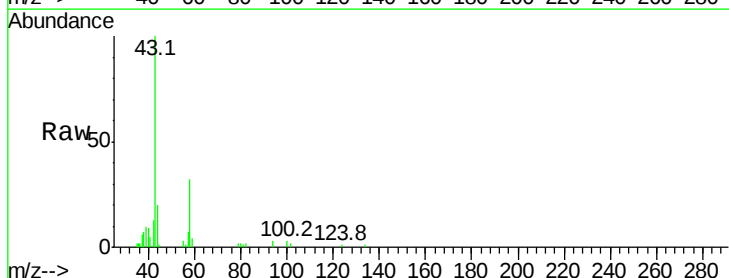
Concen: 0.234 ppbv m

RT: 3.87 min Scan# 336

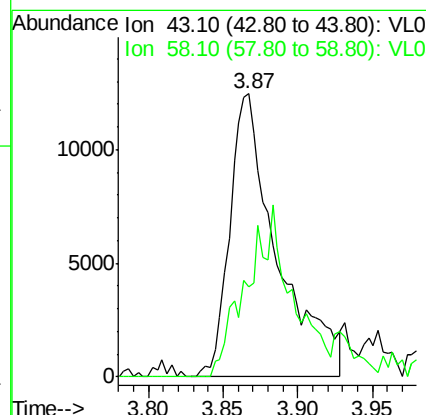
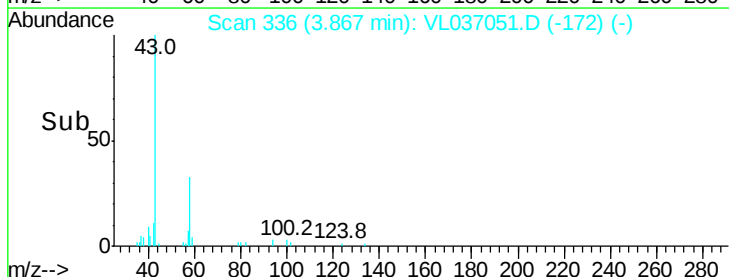
Delta R.T. 0.03 min

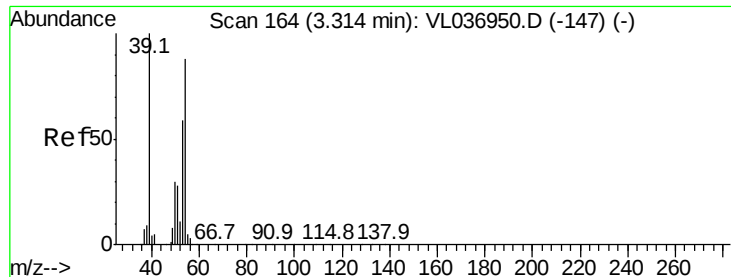
Lab File: VL037051.D

Acq: 24 May 2021 16:47



Tgt Ion:	43	Resp:	27694
Ion Ratio	Lower	Upper	
43	100		
58	0.0	24.0	36.0#





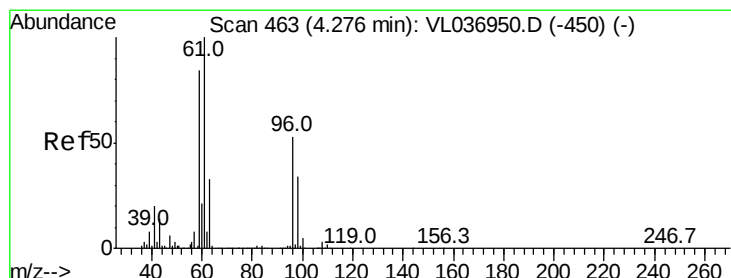
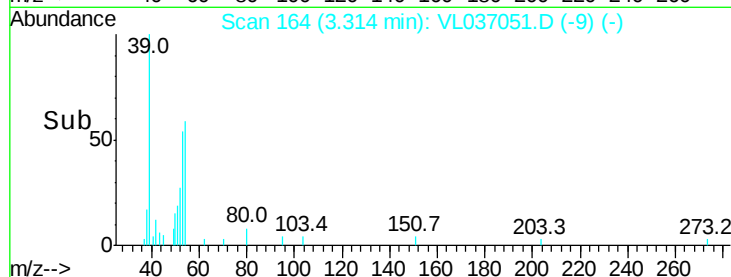
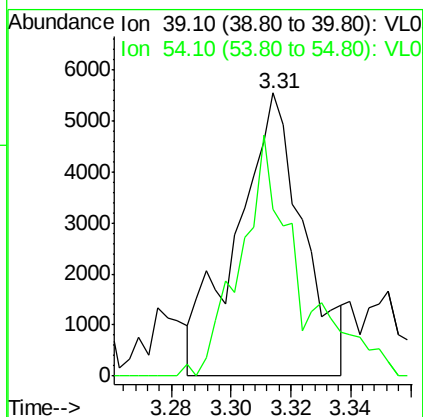
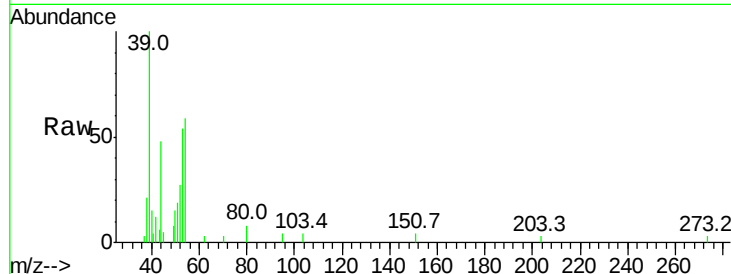
#16
1,3-Butadiene
Concen: 0.116 ppbv m
RT: 3.31 min Scan# 164
Delta R.T. -0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 39 Resp: 8562
Ion Ratio Lower Upper
39 100
54 77.4 63.2 94.8

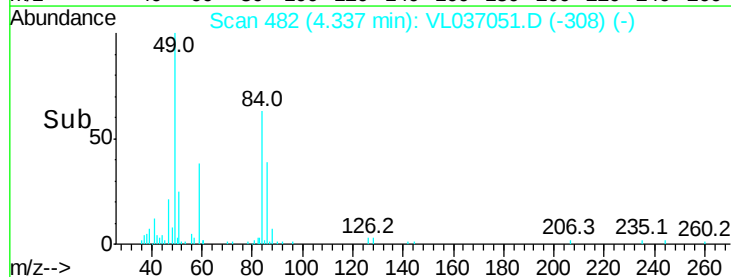
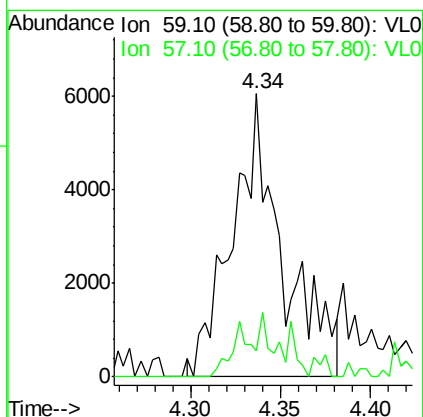
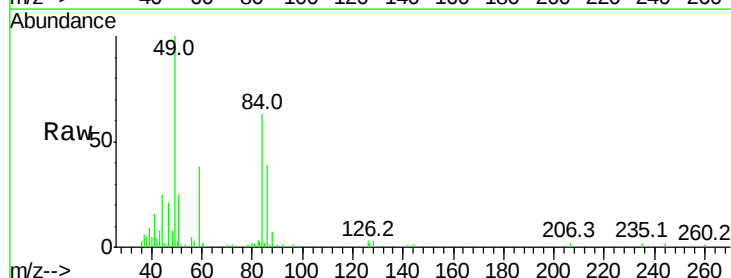
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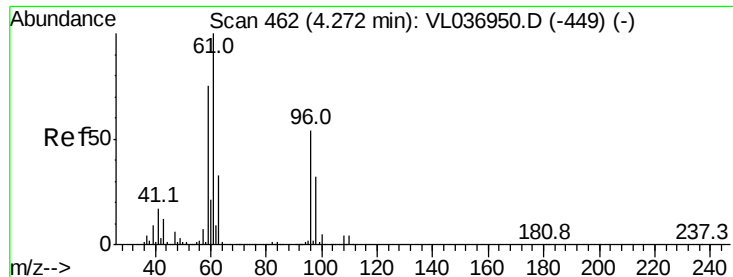
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#17
tert-Butyl alcohol
Concen: 0.109 ppbv m
RT: 4.34 min Scan# 482
Delta R.T. 0.06 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Tgt Ion: 59 Resp: 11790
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#18

1,1-Dichloroethene

Concen: 0.126 ppbv m

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

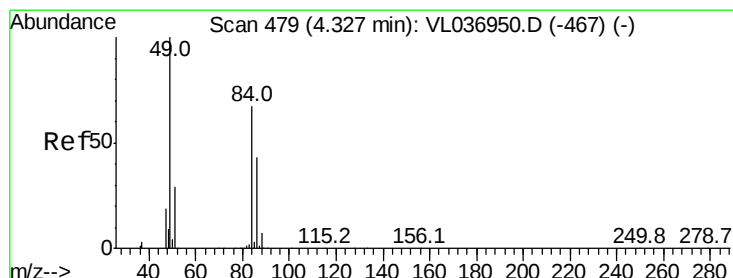
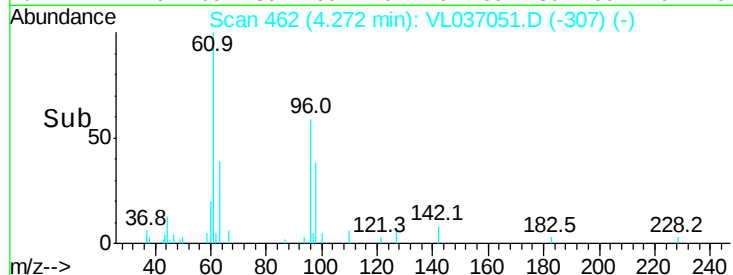
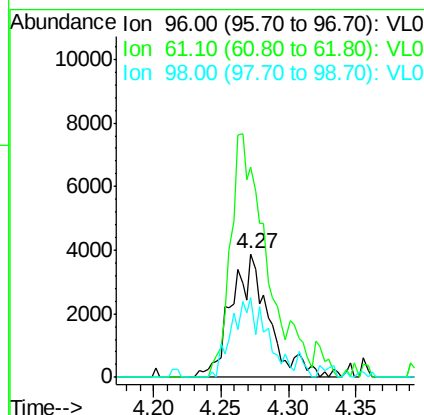
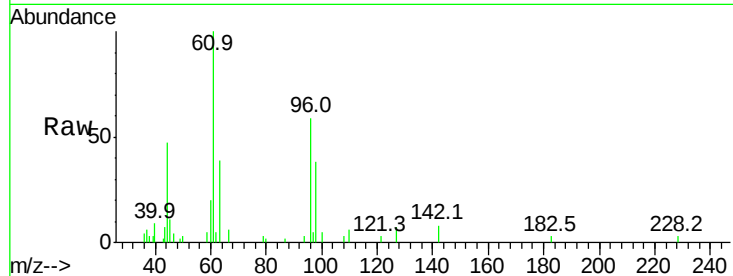
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	96	Resp:	7535
Ion Ratio	Lower	Upper	
96	100		
61	170.1	148.2	222.4
98	64.9	47.8	71.6

Manual Integrations
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#20

Methylene Chloride

Concen: 0.514 ppbv m

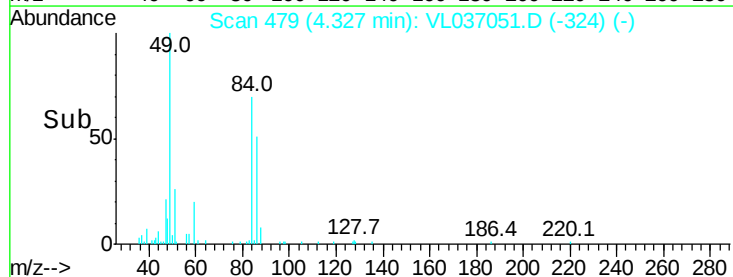
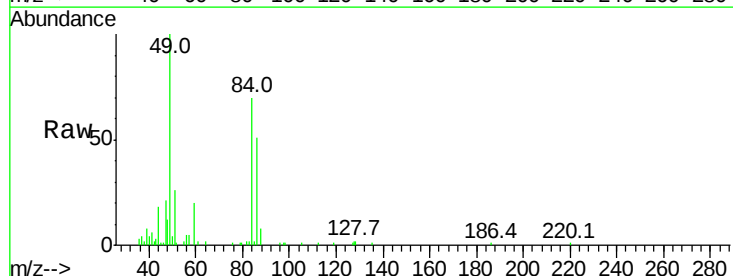
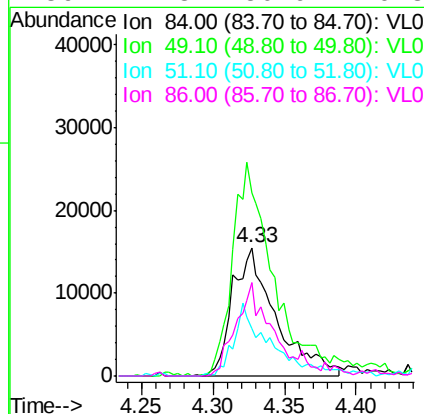
RT: 4.33 min Scan# 479

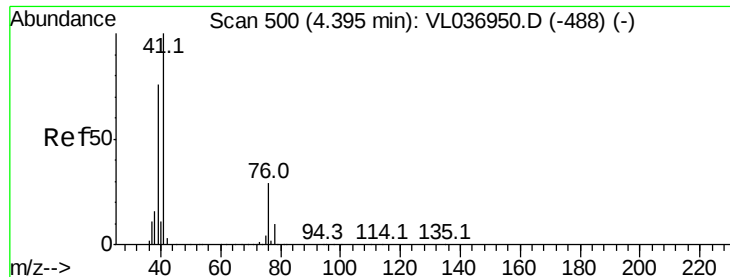
Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion:	84	Resp:	32641
Ion Ratio	Lower	Upper	
84	100		
49	142.2	119.8	179.6
51	36.6	35.1	52.7
86	72.8	50.9	76.3





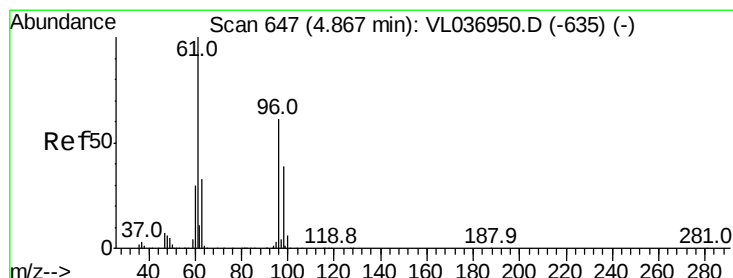
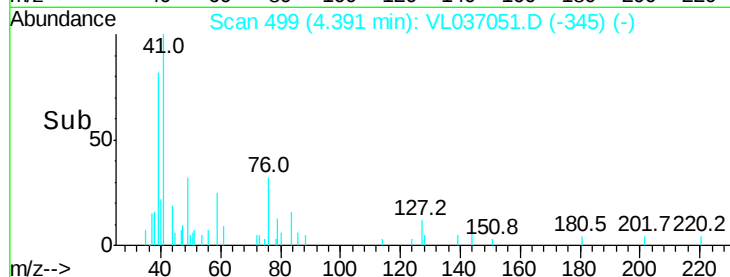
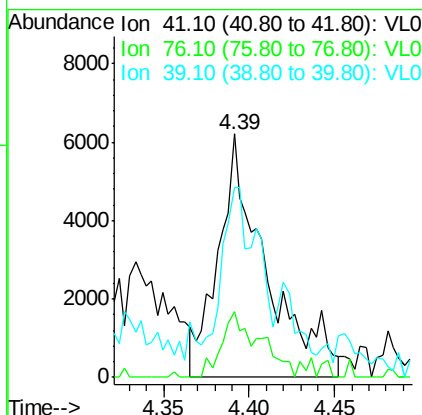
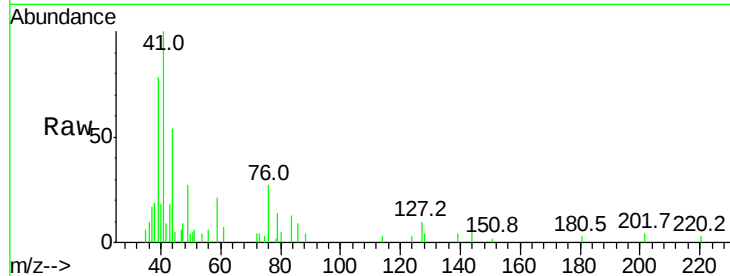
#21
 Allyl Chloride
 Concen: 0.134 ppbv m
 RT: 4.39 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 41 Resp: 12003
 Ion Ratio Lower Upper
 41 100
 76 23.2 24.9 37.3#
 39 87.4 63.7 95.5

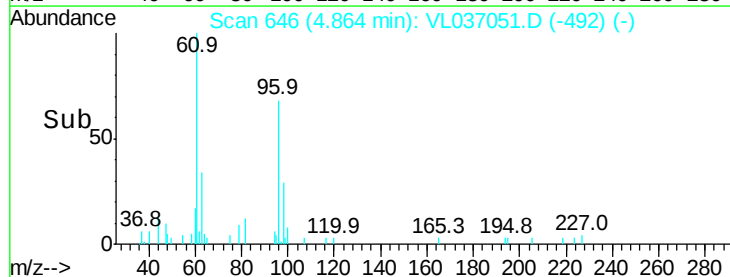
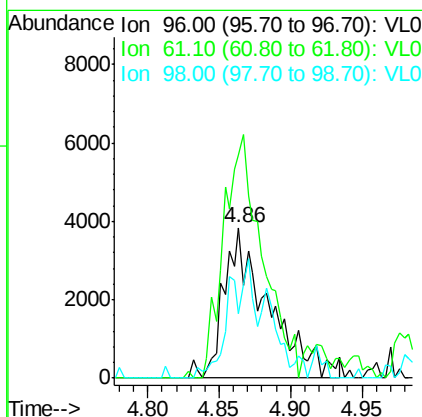
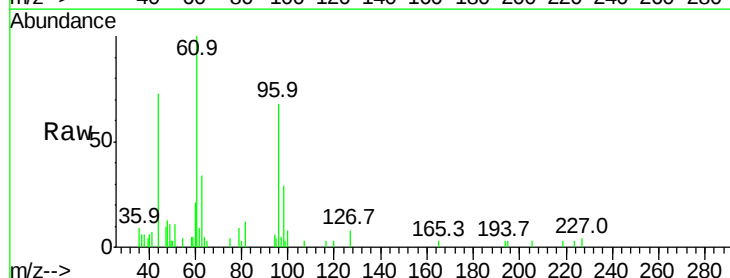
Manual Integrations
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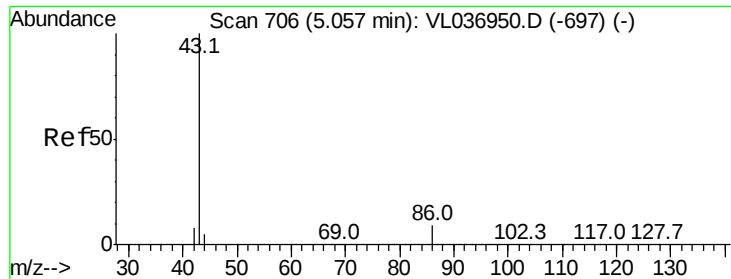
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 0.147 ppbv m
 RT: 4.86 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Tgt Ion: 96 Resp: 8433
 Ion Ratio Lower Upper
 96 100
 61 147.7 130.6 196.0
 98 42.9 50.8 76.2#





#23

Vinyl Acetate

Concen: 0.122 ppbv m

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

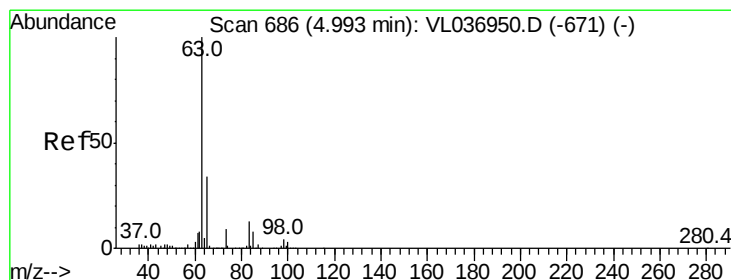
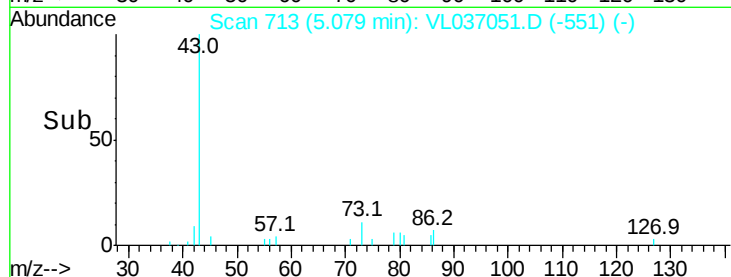
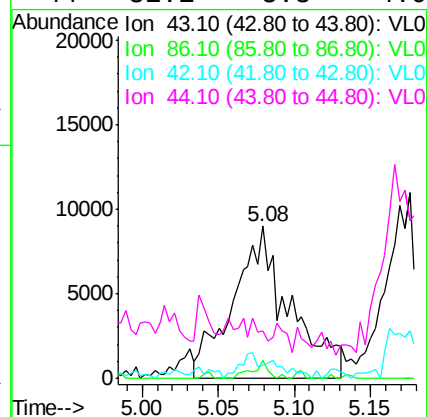
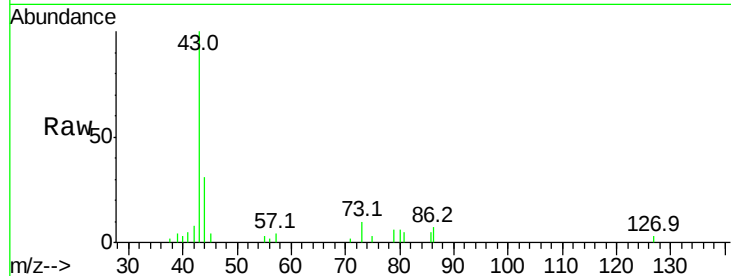
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	8.3	7.4	11.2
44	31.1	3.3	4.9#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.117 ppbv m

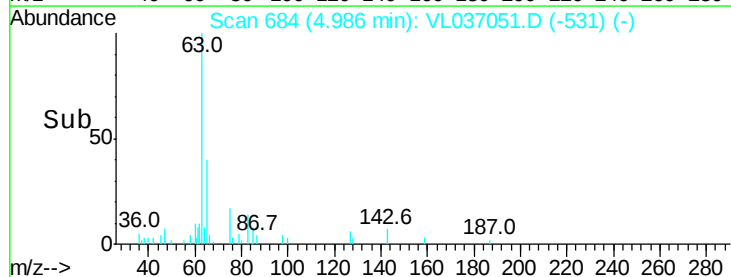
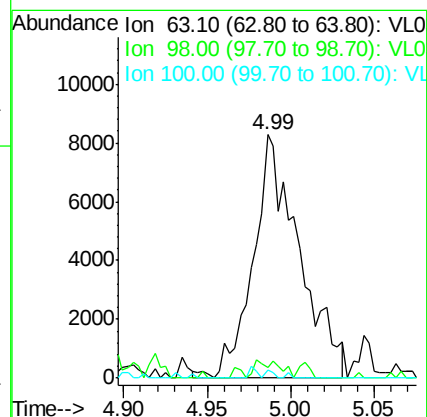
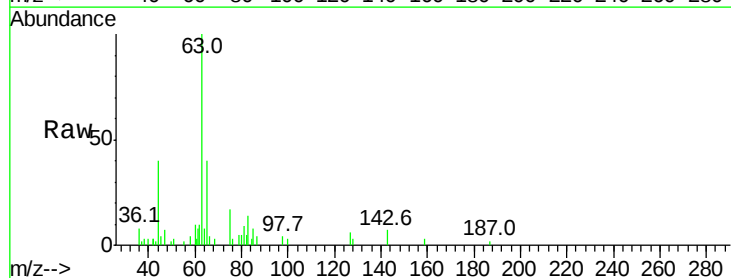
RT: 4.99 min Scan# 684

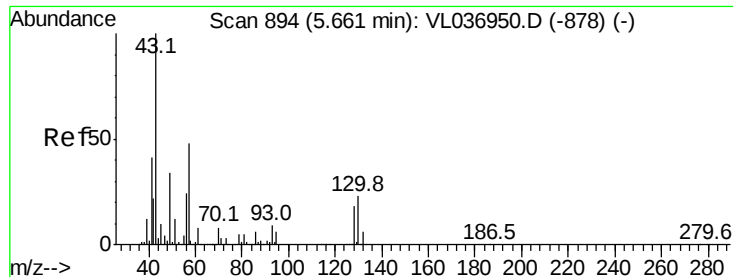
Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.9
100	3.3	1.4	4.0





#25

Ethyl Acetate

Concen: 0.105 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

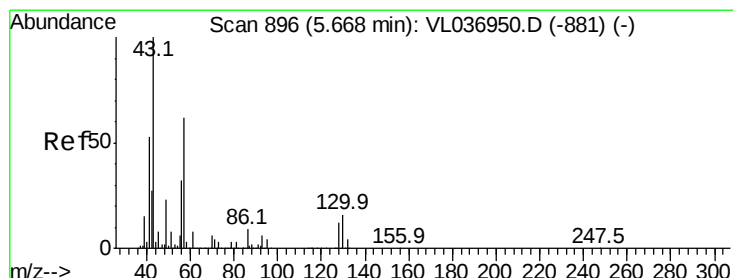
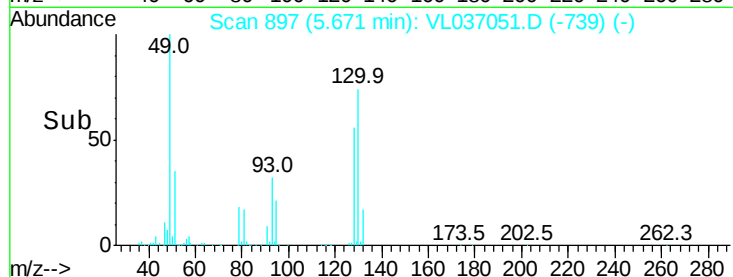
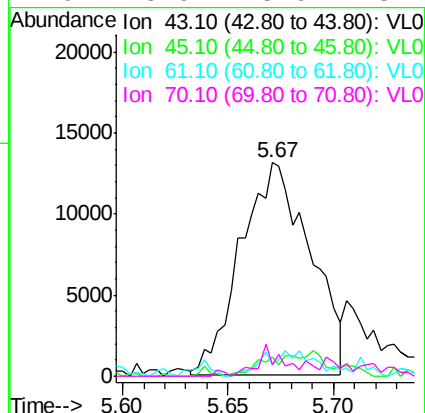
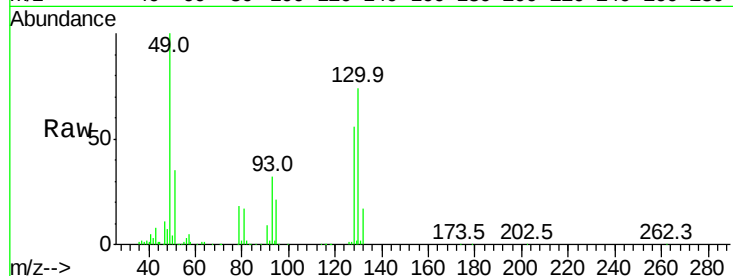
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	29978		
45	0.0	7.8	11.8#	
61	11.5	7.8	11.8	
70	5.9	5.6	8.4	

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#26

Hexane

Concen: 0.185 ppbv m

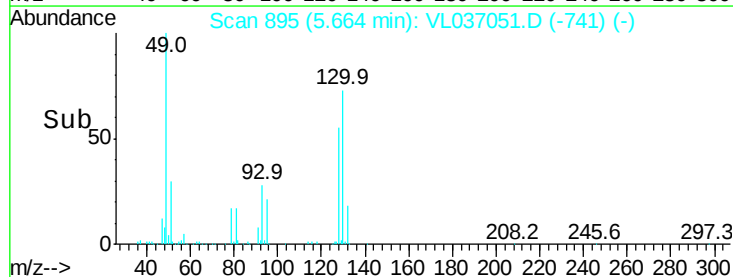
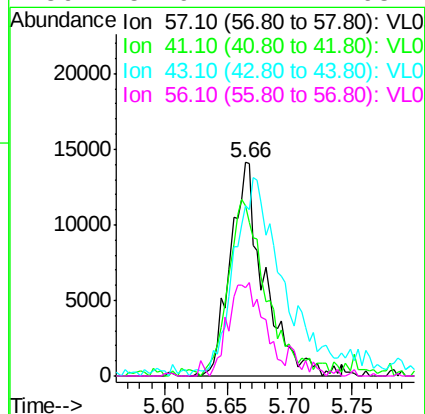
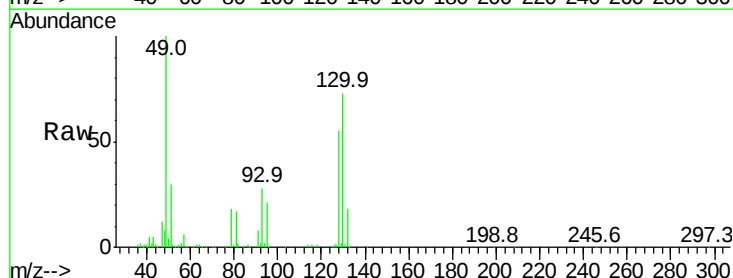
RT: 5.66 min Scan# 895

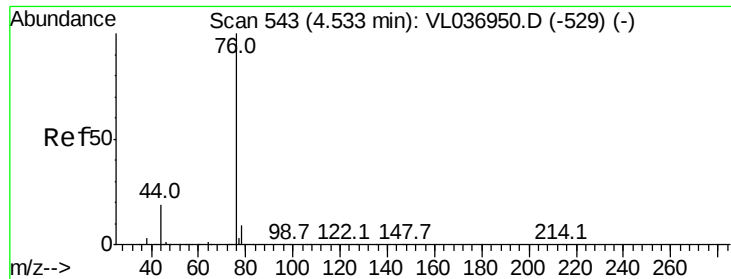
Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	26911		
41	96.0	70.5	105.7	
43	135.7	165.8	248.8#	
56	52.9	42.2	63.4	





#27

Carbon Disulfide

Concen: 0.066 ppbv m

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

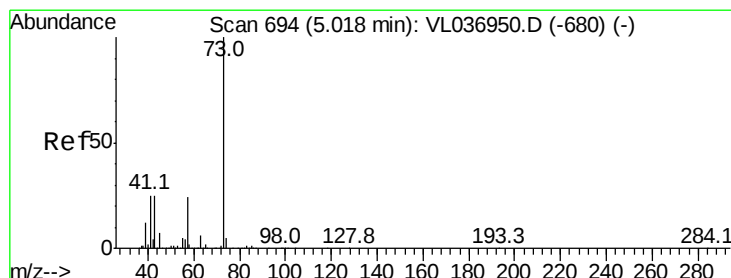
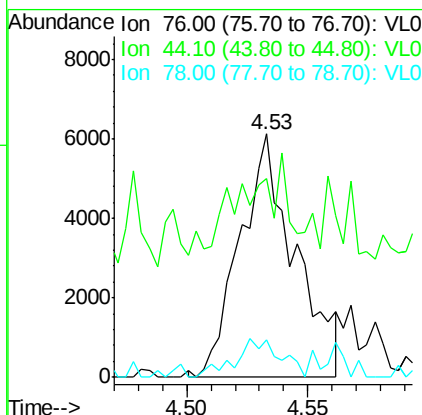
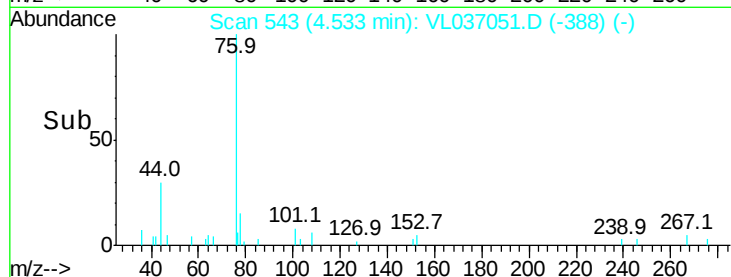
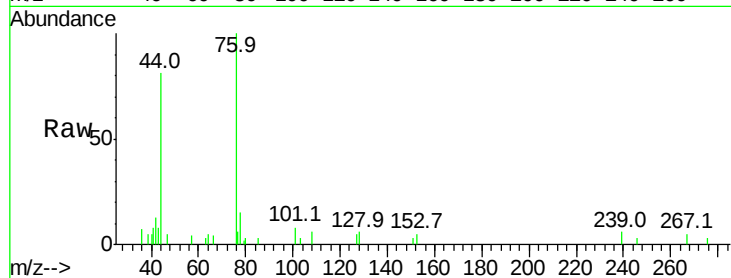
Instrument :
MSVOA_L

ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.5	23.3#
78	20.1	7.8	11.6#

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#28

Methyl tert-Butyl Ether

Concen: 0.100 ppbv m

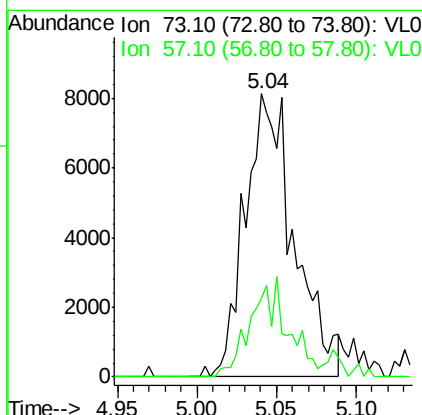
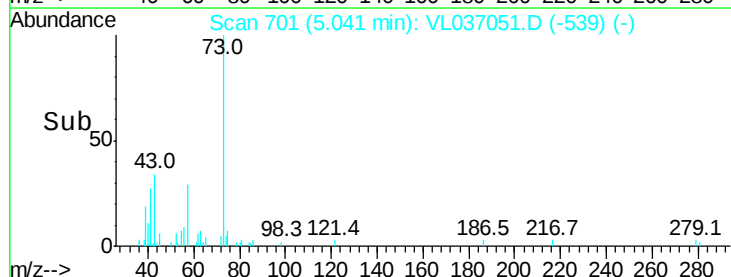
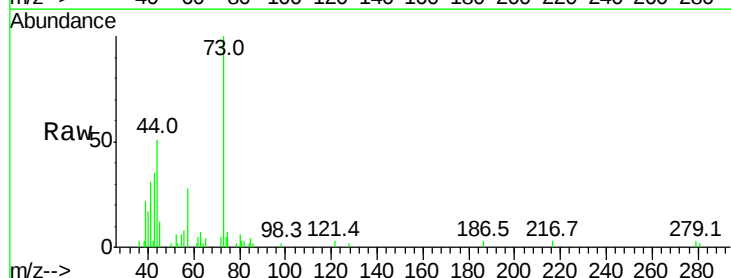
RT: 5.04 min Scan# 701

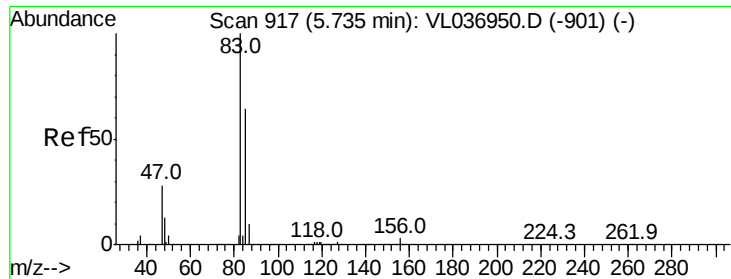
Delta R.T. 0.02 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.3	27.5#





#29

Chloroform

Concen: 0.130 ppbv m

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion: 83 Resp: 26716

Ion Ratio Lower Upper

83 100

85 74.7 51.1 76.7

Instrument :

MSVOA_L

ClientSampleId :

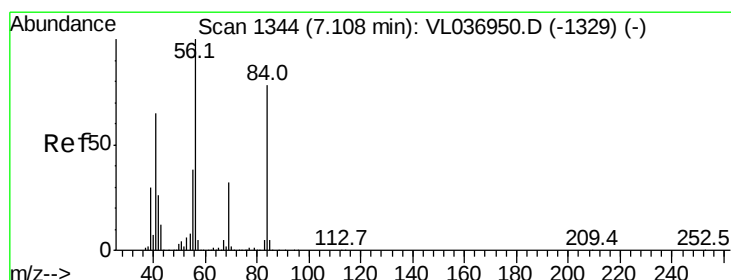
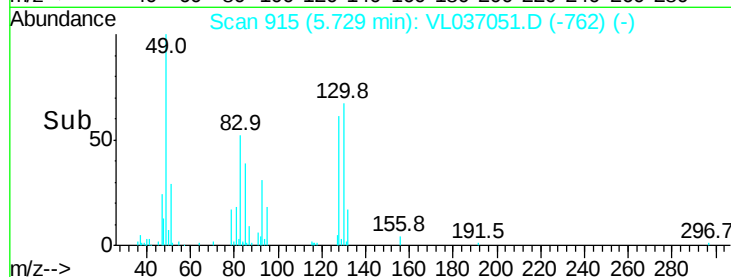
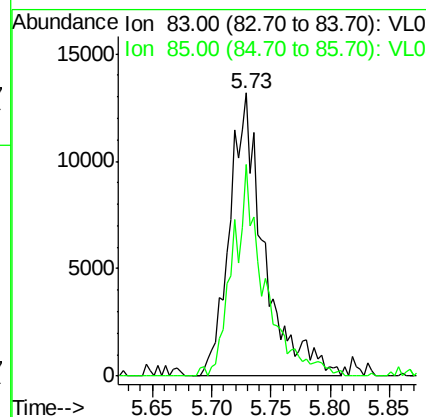
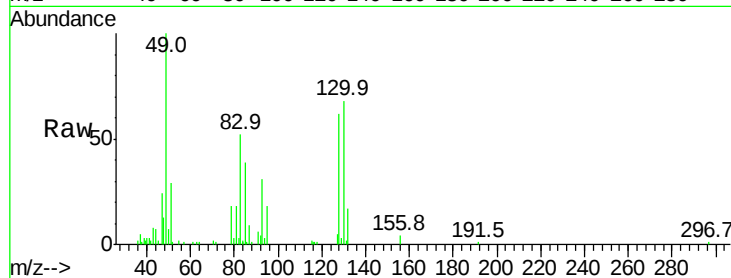
LOD-MDL-AIR-01-QT2-2021

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#30

Cyclohexane

Concen: 0.123 ppbv m

RT: 7.11 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

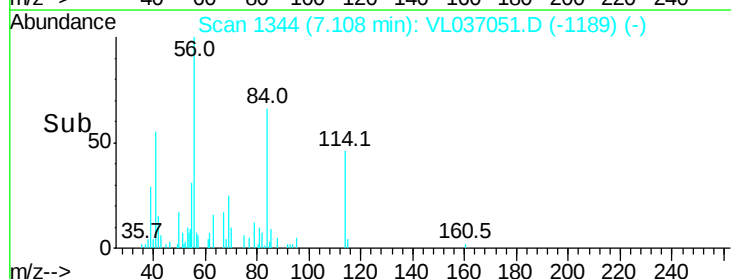
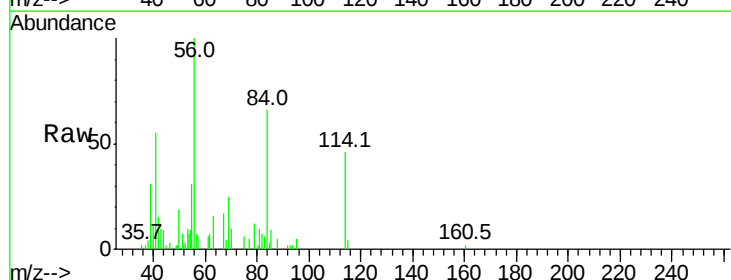
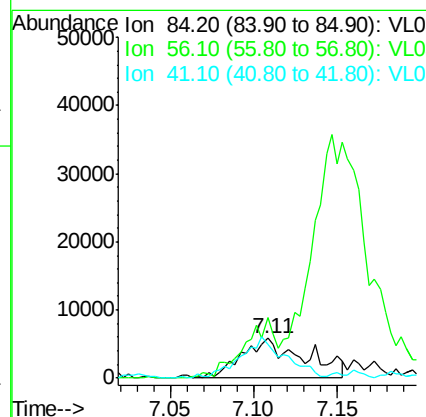
Tgt Ion: 84 Resp: 15249

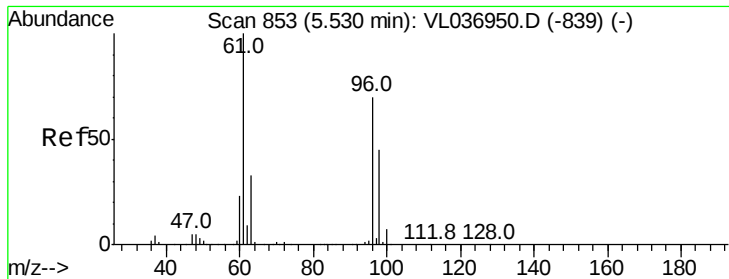
Ion Ratio Lower Upper

84 100

56 0.0 107.9 161.9#

41 75.3 65.5 98.3





#31

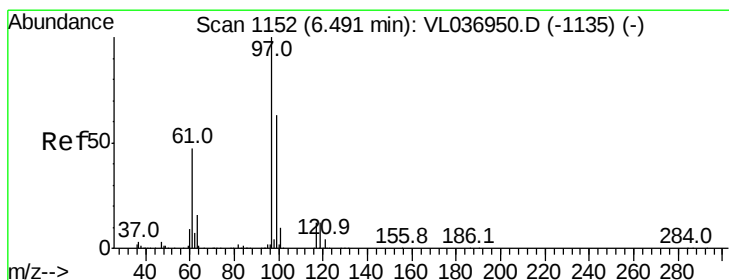
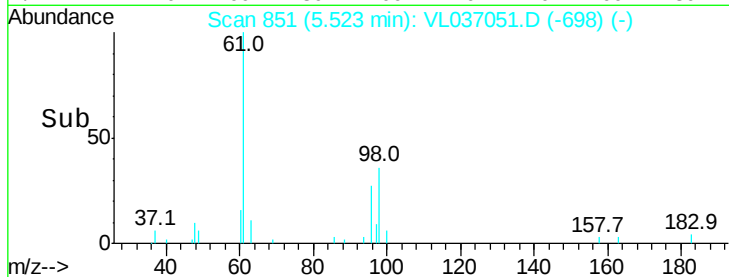
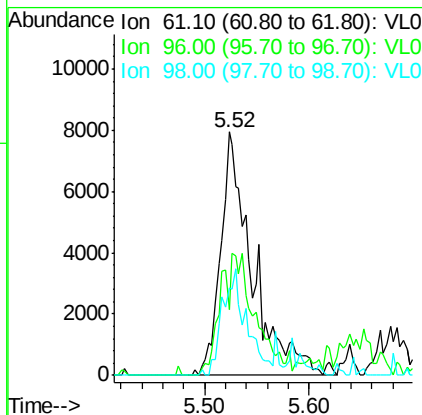
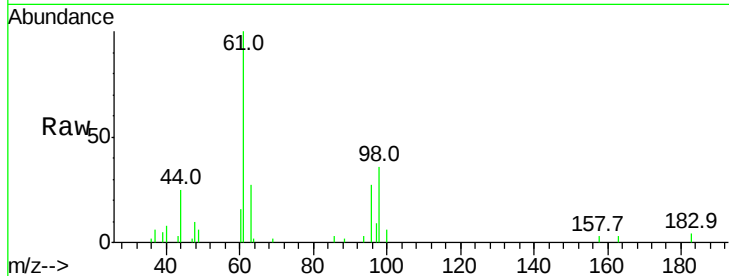
cis-1,2-Dichloroethene
Concen: 0.129 ppbv m
RT: 5.52 min Scan# 851
Delta R.T. -0.01 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	16791		
96	27.0	55.9	83.9#	
98	36.1	35.6	53.4	

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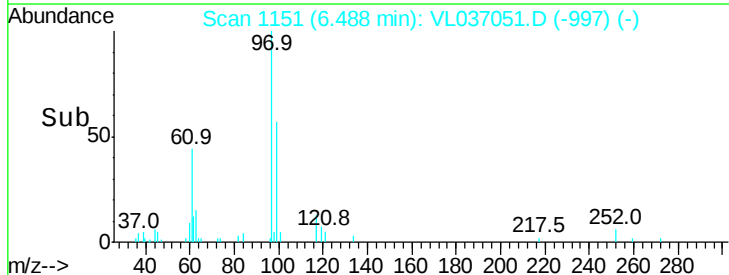
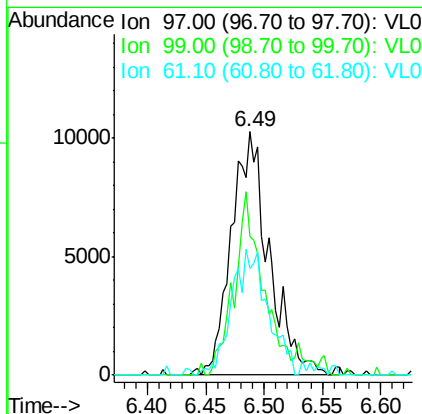
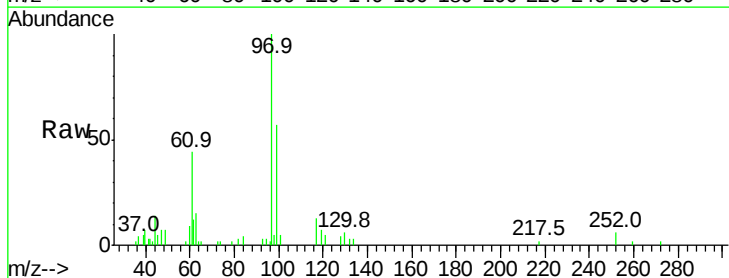
MMDadoda
5/25/2021 6:00:35 PM

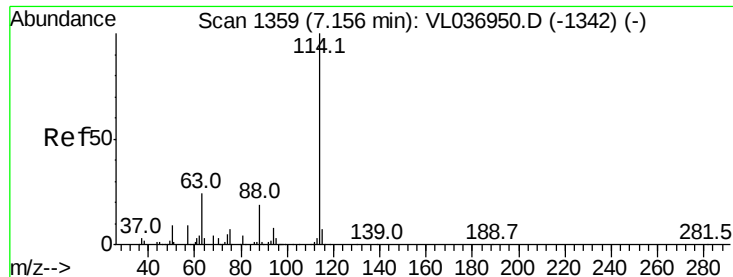


#32

1,1,1-Trichloroethane
Concen: 0.104 ppbv m
RT: 6.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	23009		
99	62.7	51.9	77.9	
61	52.1	37.6	56.4	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

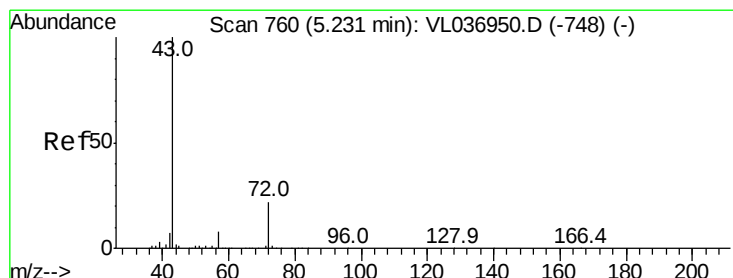
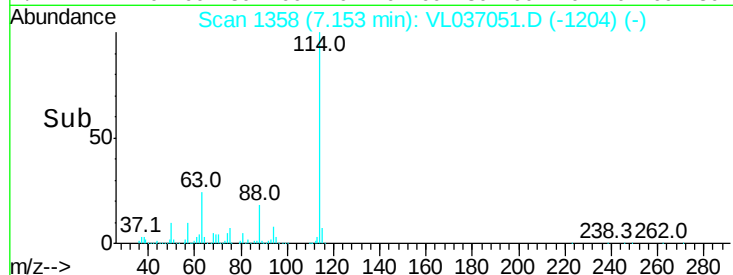
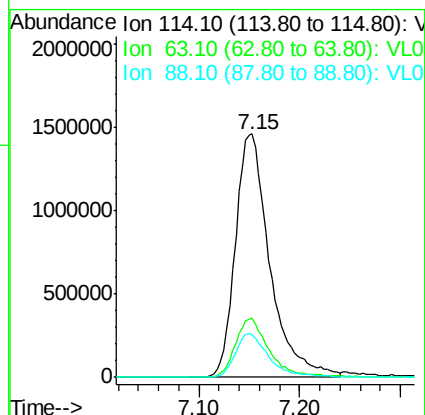
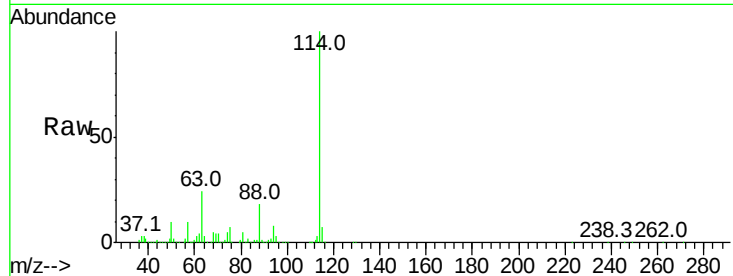
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	114	Resp:	3473397
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	18.1	14.6	21.8

Manual Integrations
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#34

2-Butanone

Concen: 0.163 ppbv m

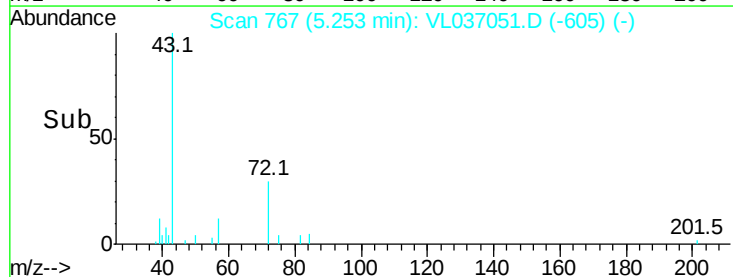
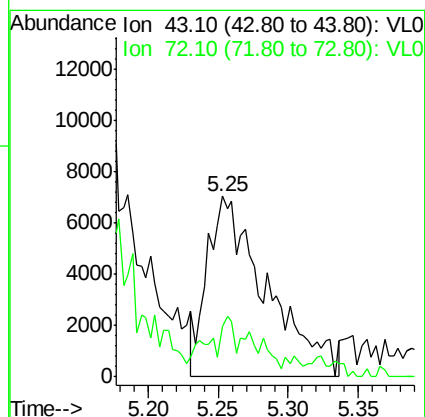
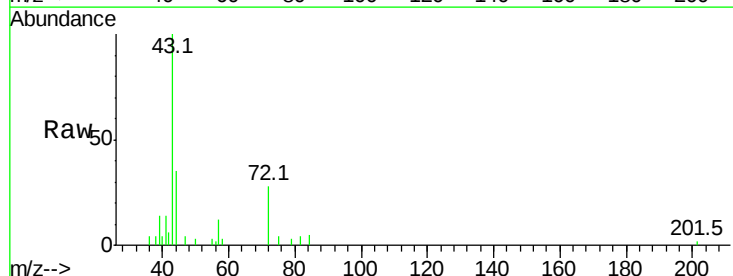
RT: 5.25 min Scan# 767

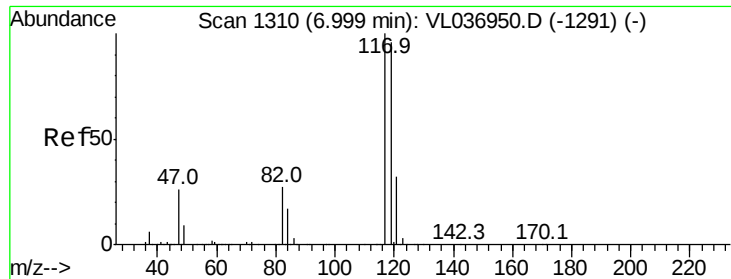
Delta R.T. 0.02 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion:	43	Resp:	20672
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#





#35

Carbon Tetrachloride

Concen: 0.089 ppbv m

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

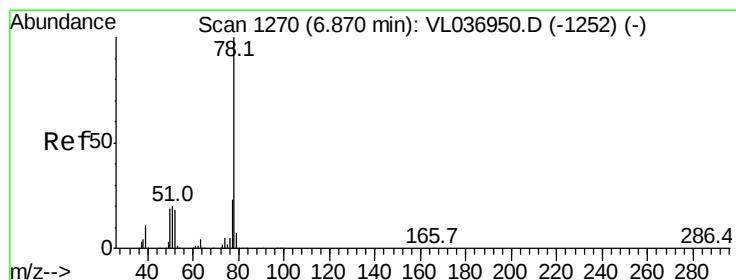
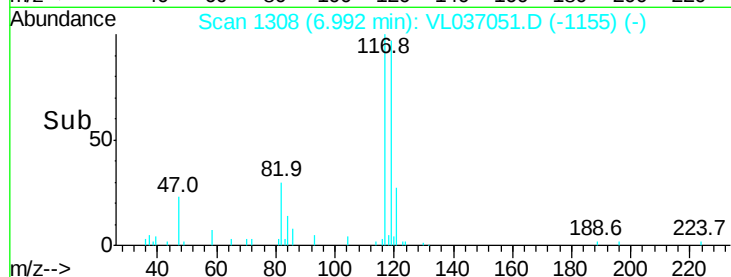
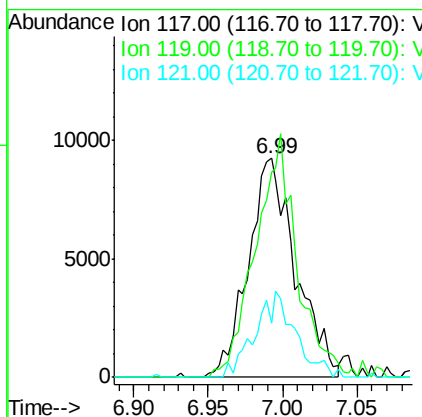
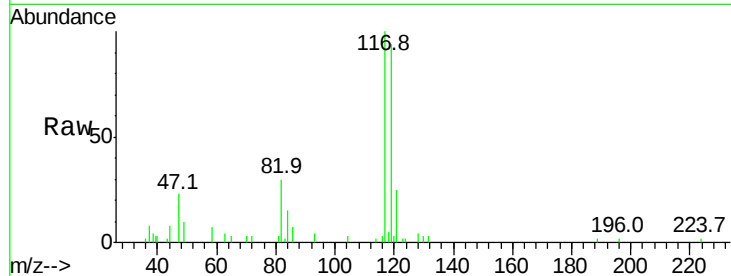
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	20527		
119	93.8	76.6	114.8	
121	24.6	25.8	38.6#	

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#36

Benzene

Concen: 0.099 ppbv

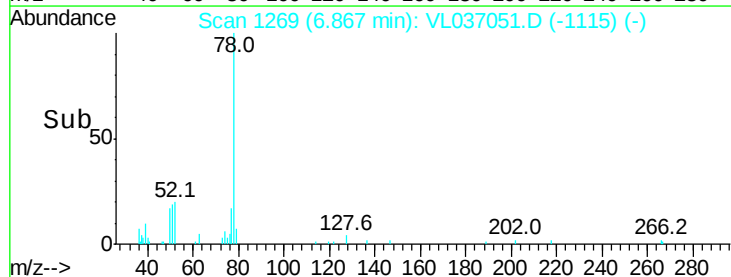
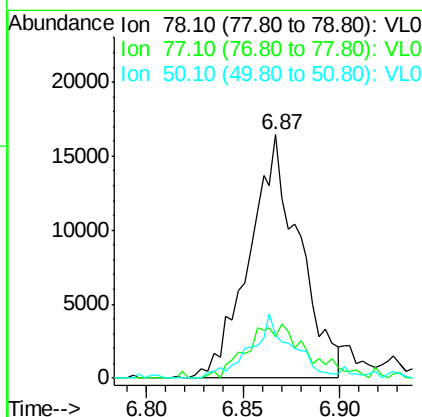
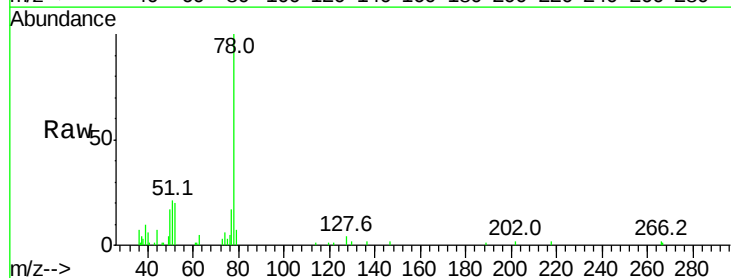
RT: 6.87 min Scan# 1269

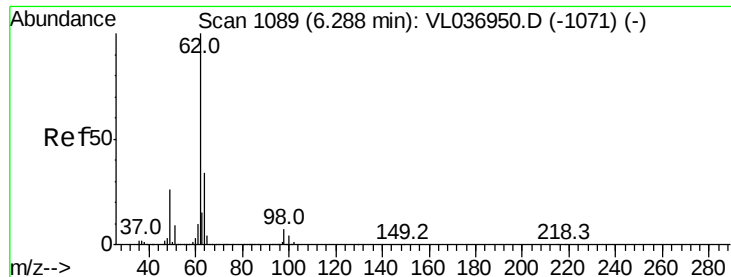
Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	29660		
77	16.9	18.6	28.0#	
50	17.5	15.0	22.4	





#37

1,2-Dichloroethane

Concen: 0.111 ppbv m

RT: 6.28 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

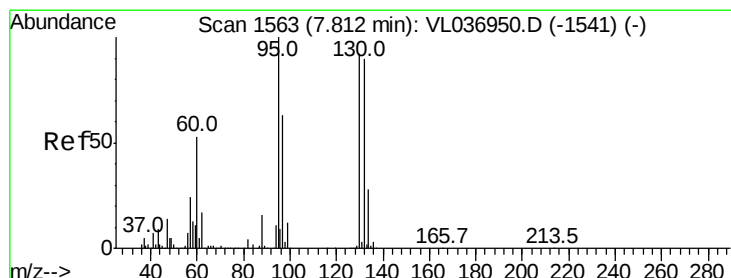
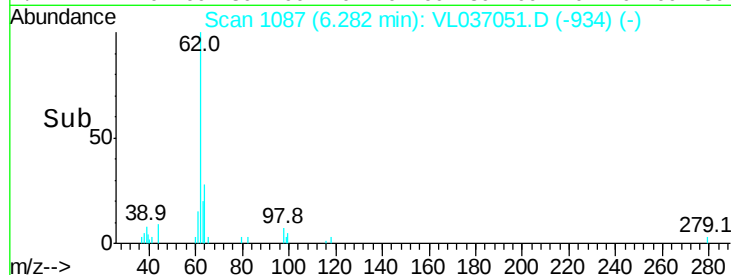
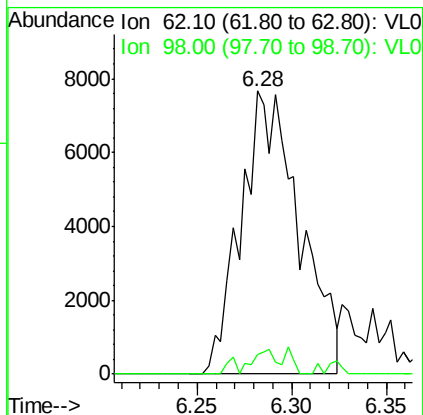
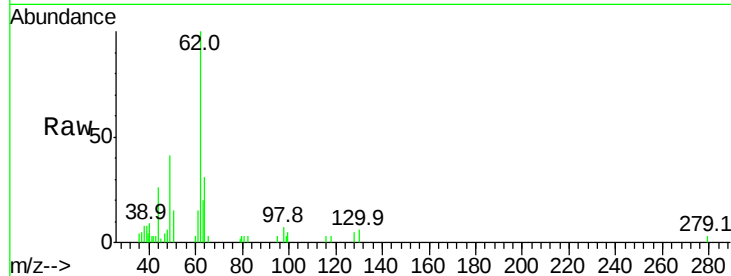
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	16491		
98	0.0	5.5		8.3#

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#38

Trichloroethene

Concen: 0.115 ppbv m

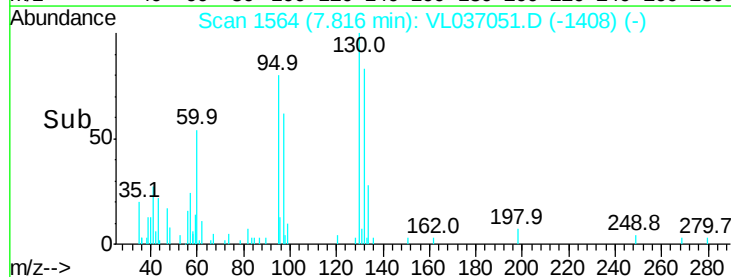
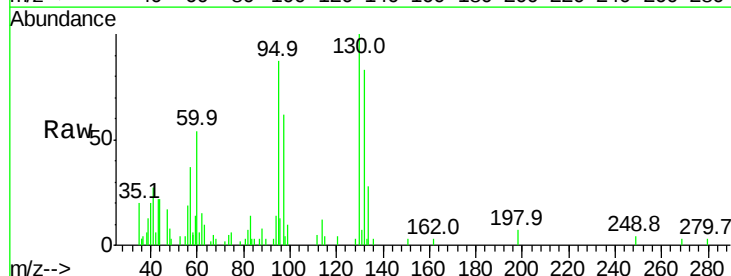
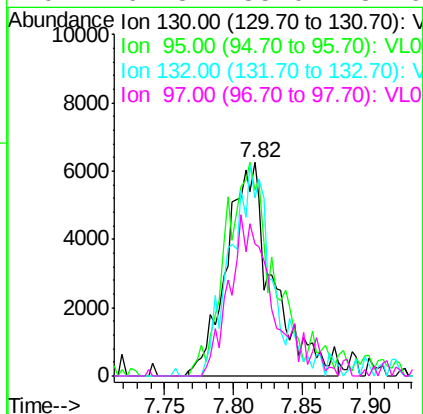
RT: 7.82 min Scan# 1564

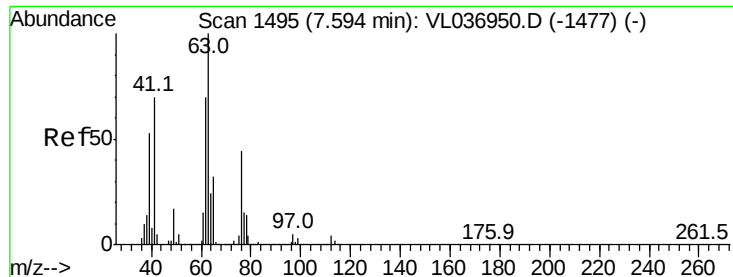
Delta R.T. 0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	14669		
95	87.2	86.9		130.3
132	83.2	78.4		117.6
97	61.8	55.0		82.6





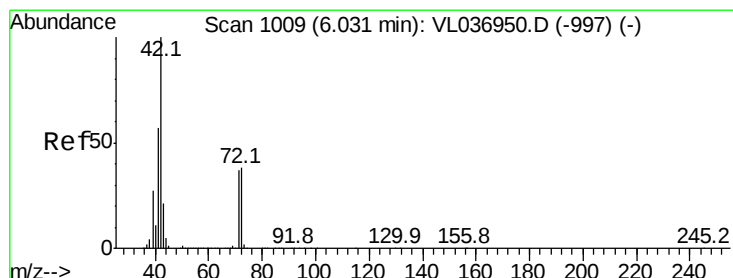
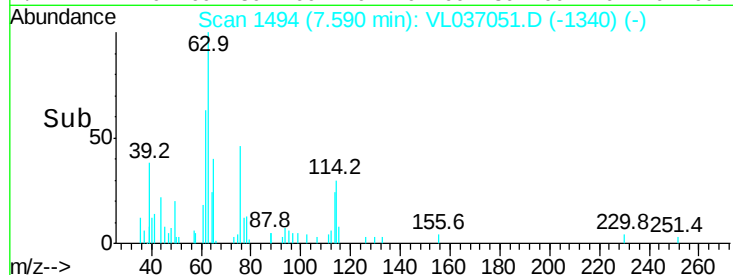
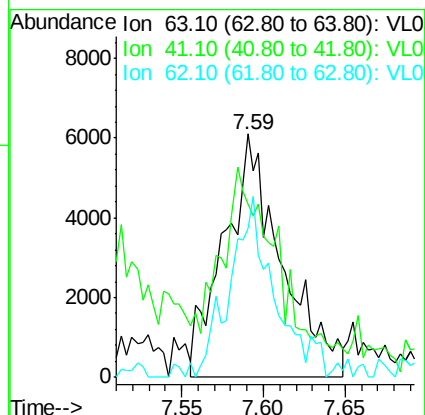
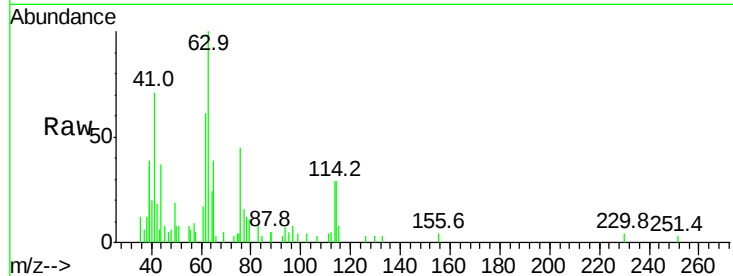
#39
 1,2-Dichloropropane
 Concen: 0.131 ppbv m
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
63	100		
41	71.3	55.7	83.5
62	60.9	56.2	84.4

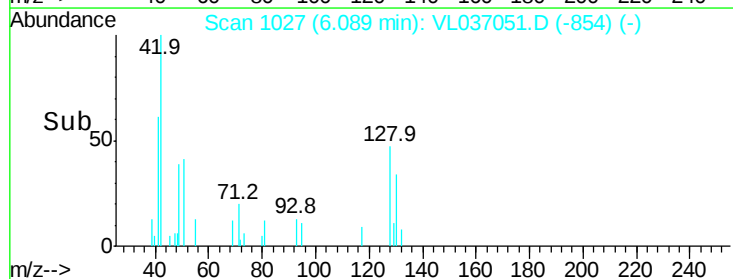
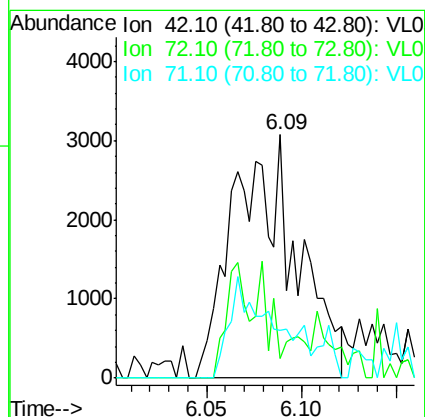
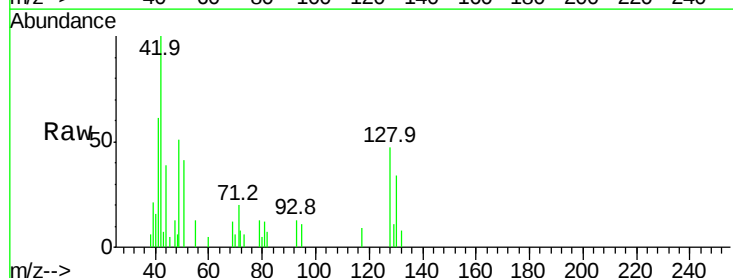
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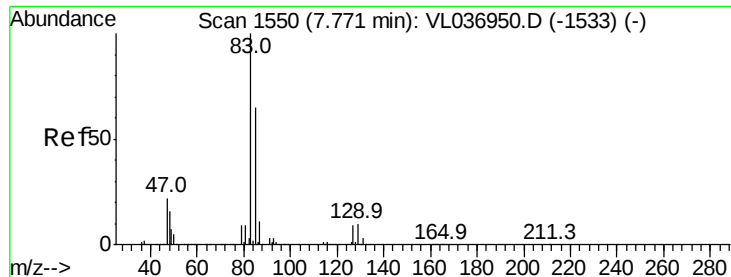
MMDadoda
 5/25/2021 6:00:35 PM



#41
 Tetrahydrofuran
 Concen: 0.098 ppbv m
 RT: 6.09 min Scan# 1027
 Delta R.T. 0.06 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	30.4	45.6#





#42

Bromodichloromethane

Concen: 0.085 ppbv m

RT: 7.77 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

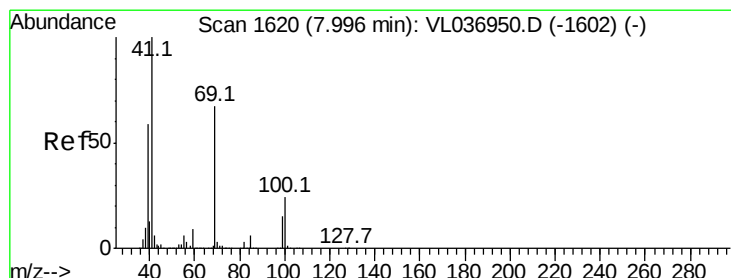
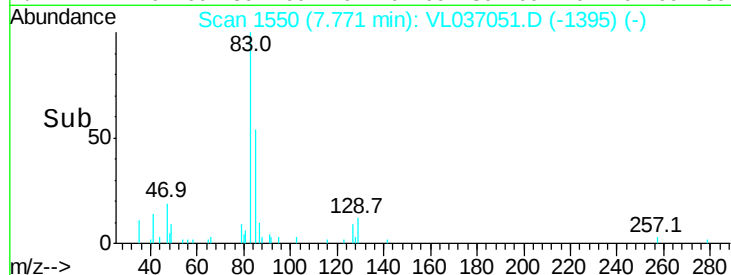
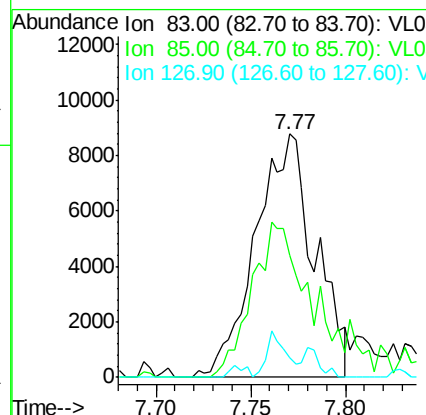
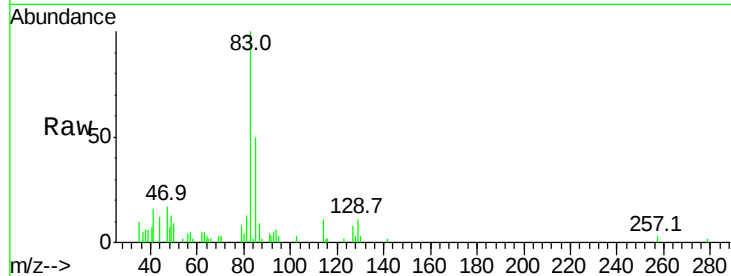
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	83	Resp:	19101
Ion Ratio	Lower	Upper	
83	100		
85	50.1	51.7	77.5#
127	8.0	6.9	10.3

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#43

Methyl Methacrylate

Concen: 0.084 ppbv m

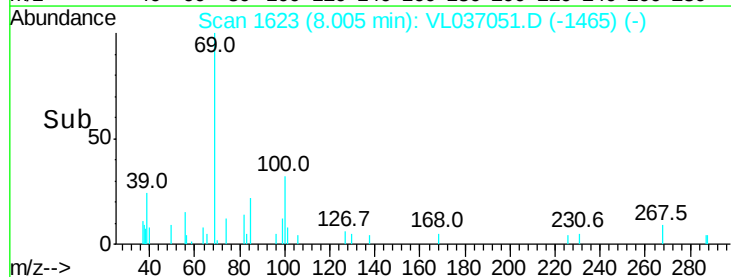
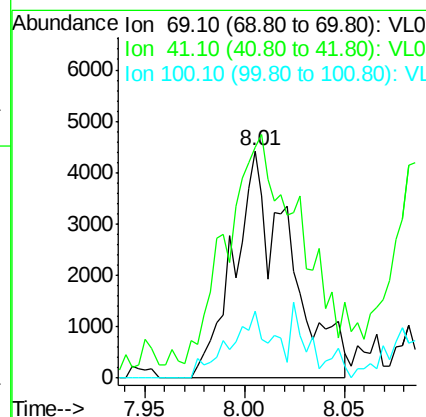
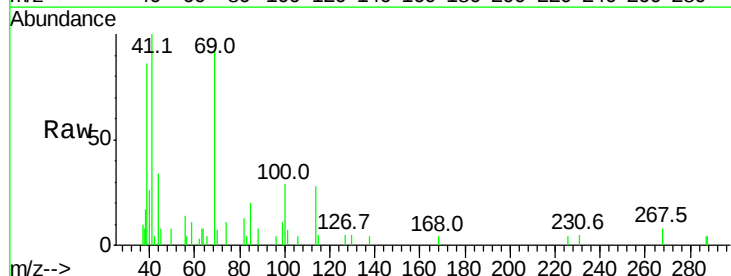
RT: 8.01 min Scan# 1623

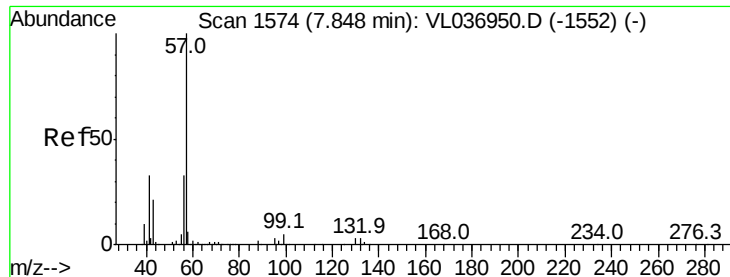
Delta R.T. 0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion:	69	Resp:	8637
Ion Ratio	Lower	Upper	
69	100		
41	0.0	118.6	178.0#
100	0.0	28.2	42.4#





#44

2,2,4-Trimethylpentane

Concen: 0.103 ppbv m

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

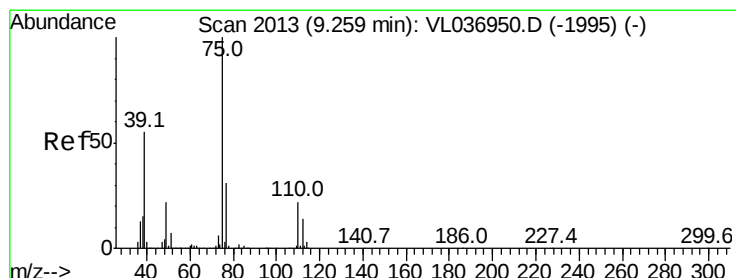
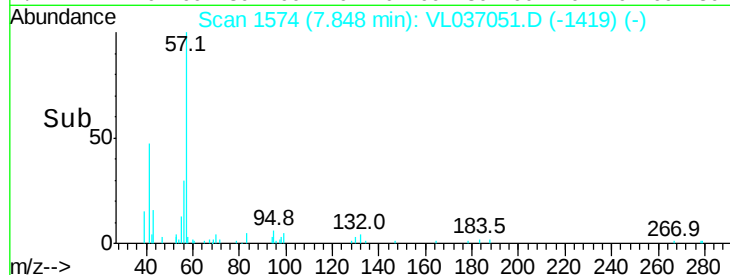
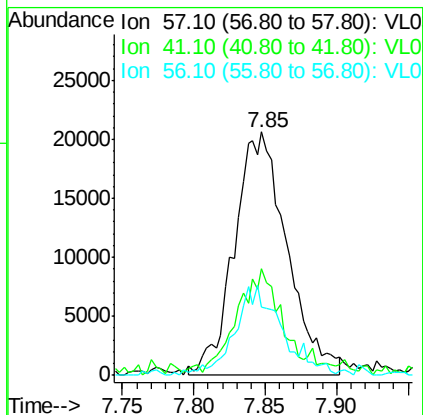
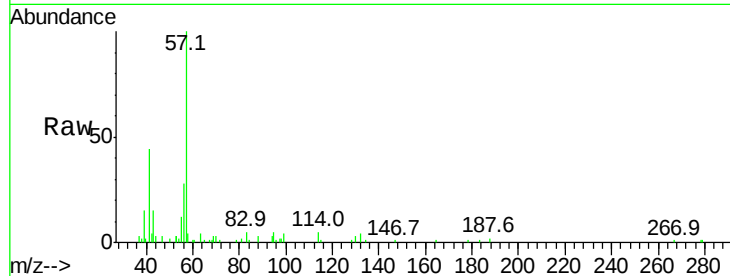
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
57	100		
41	40.8	27.0	40.4#
56	33.9	25.4	38.2

Manual Integrations
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5/25/2021 6:00:35 PM



#45

t-1,3-Dichloropropene

Concen: 0.049 ppbv m

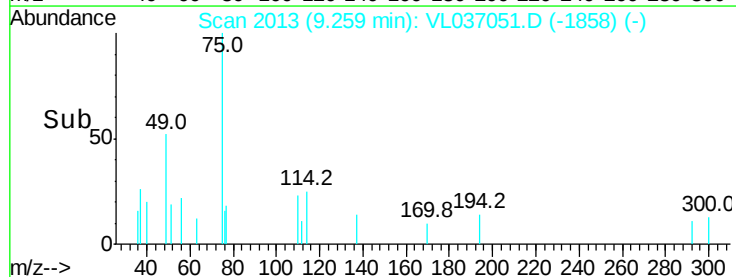
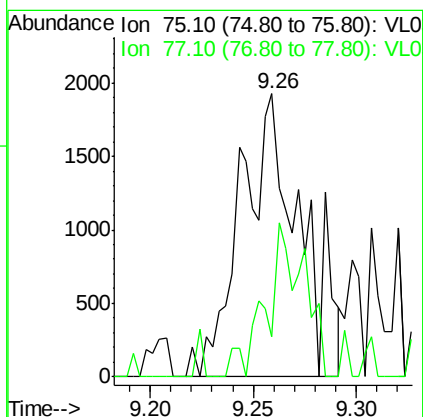
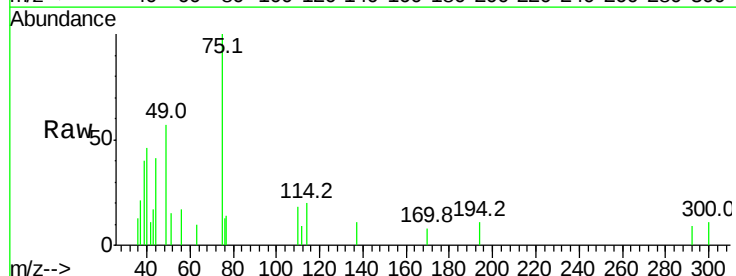
RT: 9.26 min Scan# 2013

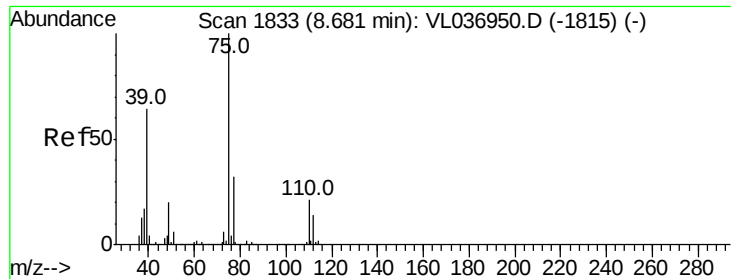
Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	14.4	24.4	36.6#





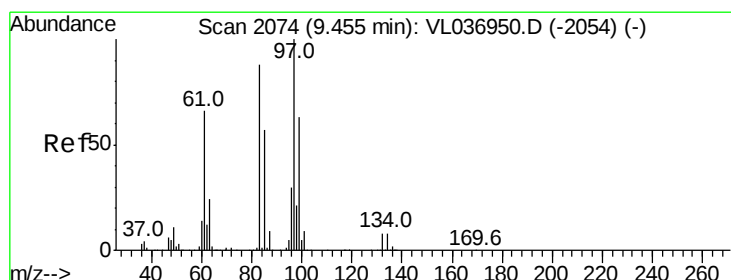
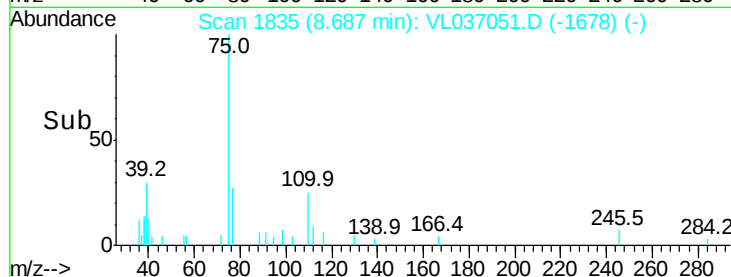
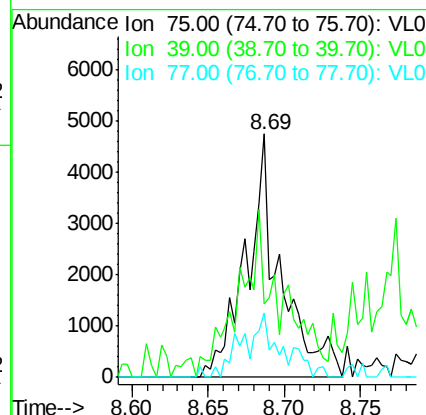
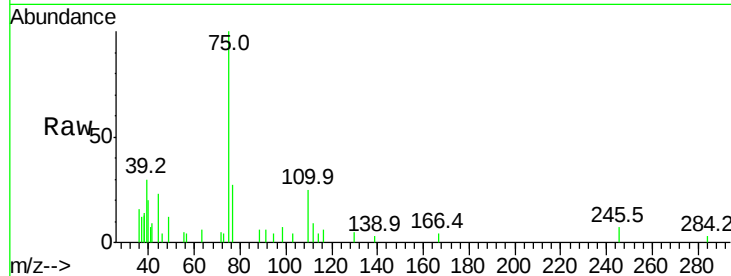
#46
 cis-1,3-Dichloropropene
 Concen: 0.069 ppbv m
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.01 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
75	100		
39	30.2	51.5	77.3#
77	26.5	25.9	38.9

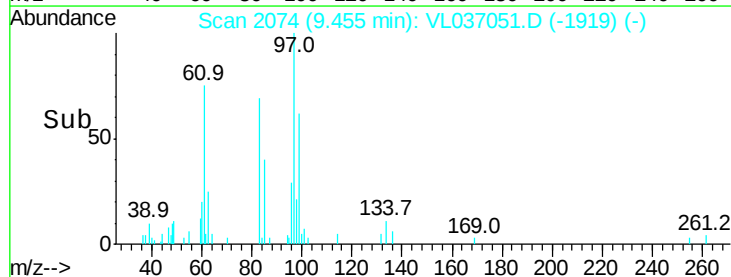
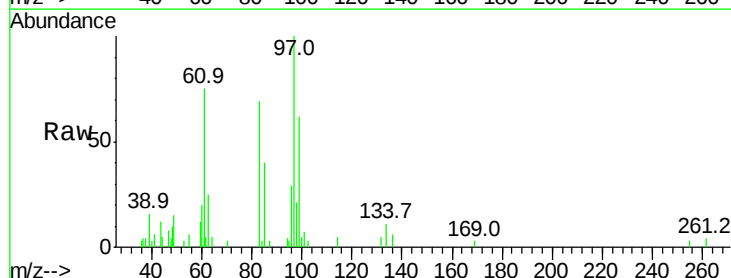
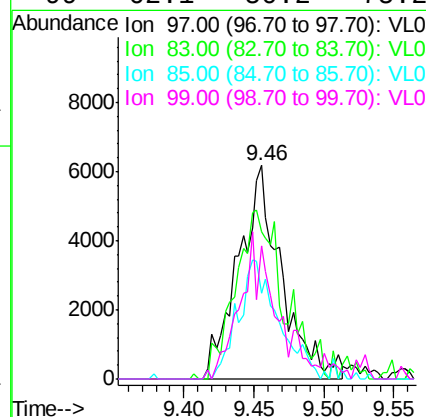
Manual Integrations
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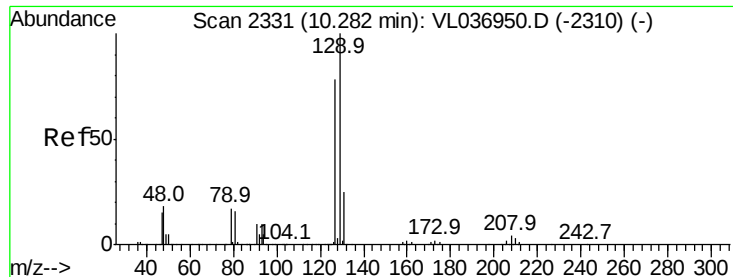
MMDadoda
 5/25/2021 6:00:35 PM



#47
 1,1,2-Trichloroethane
 Concen: 0.110 ppbv m
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	69.0	70.4	105.6#
85	39.9	45.5	68.3#
99	62.1	50.2	75.2





#48

Dibromochloromethane

Concen: 0.062 ppbv m

RT: 10.28 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:129 Resp: 12092

Ion Ratio Lower Upper

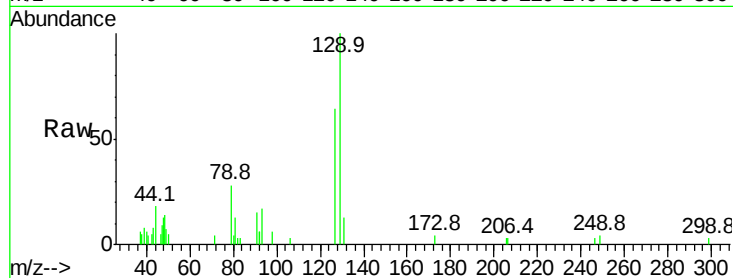
129 100

127 84.6 39.3 117.8

Manual Integrations
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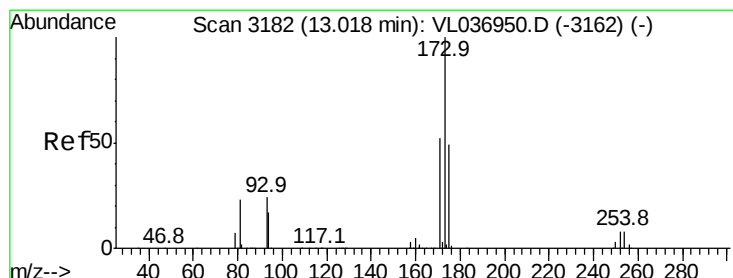
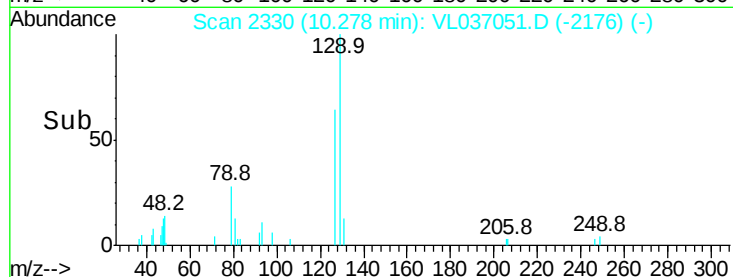
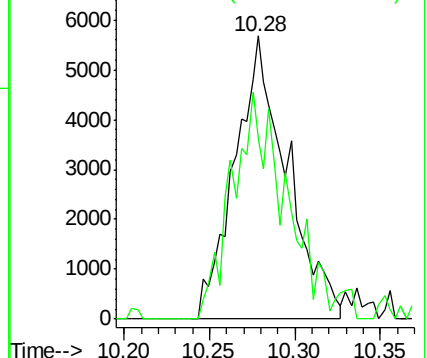
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.050 ppbv m

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

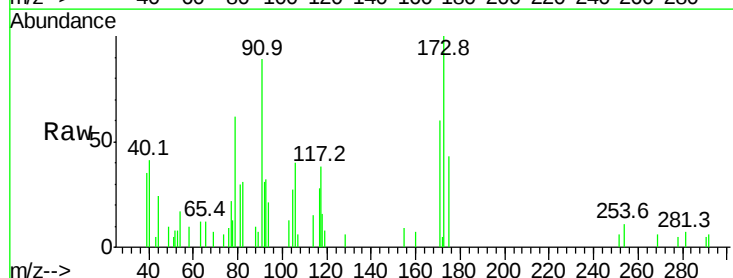
Tgt Ion:173 Resp: 7996

Ion Ratio Lower Upper

173 100

175 0.0 40.4 60.6#

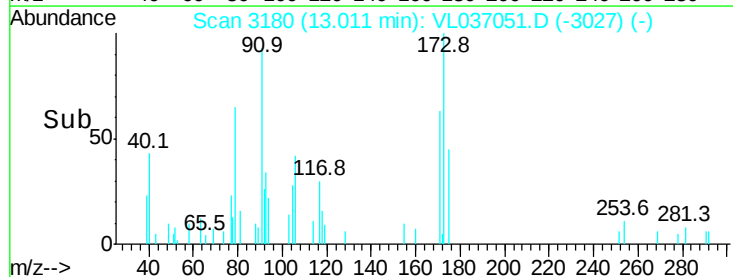
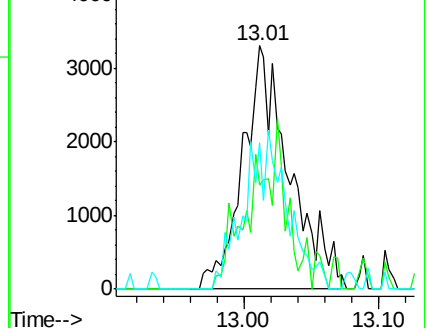
171 0.0 42.6 64.0#

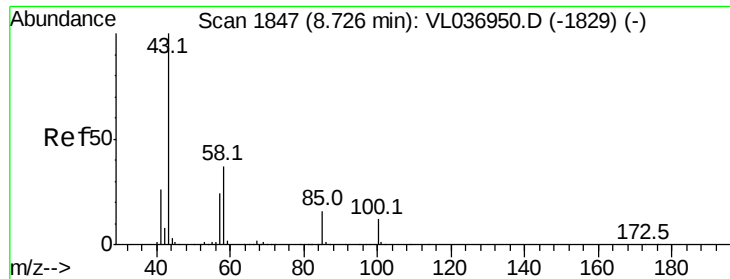


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V





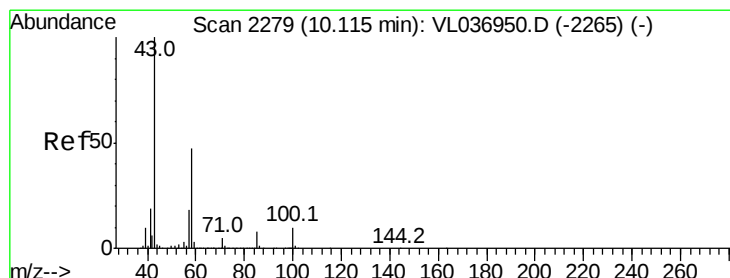
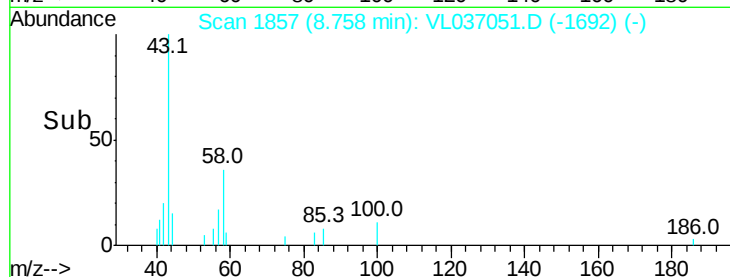
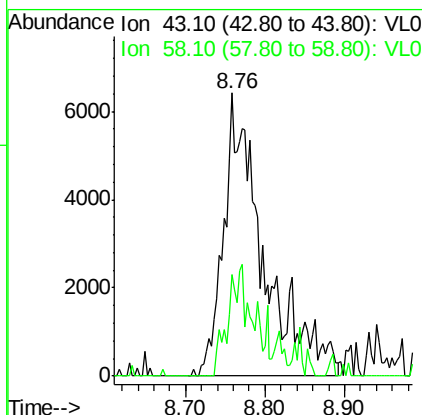
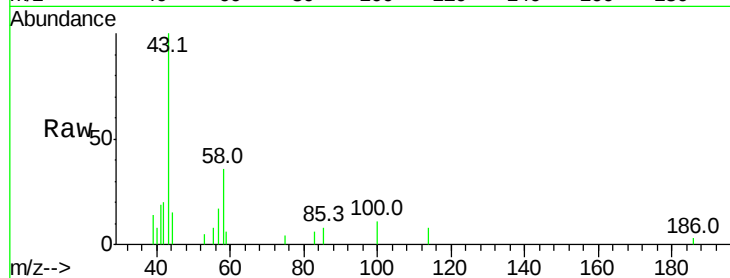
#50
 4-Methyl-2-Pentanone
 Concen: 0.107 ppbv m
 RT: 8.76 min Scan# 1857
 Delta R.T. 0.03 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.2#

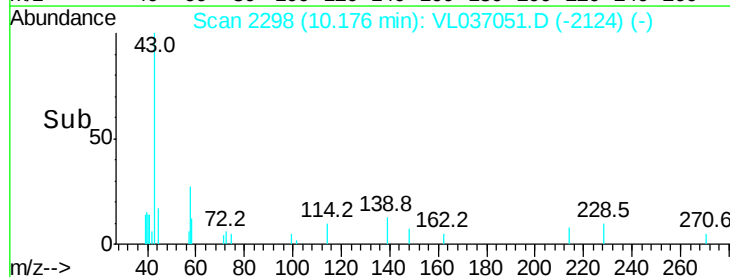
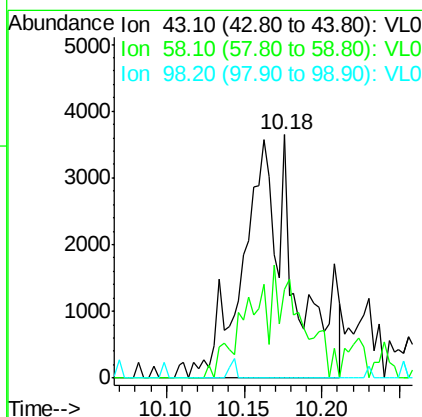
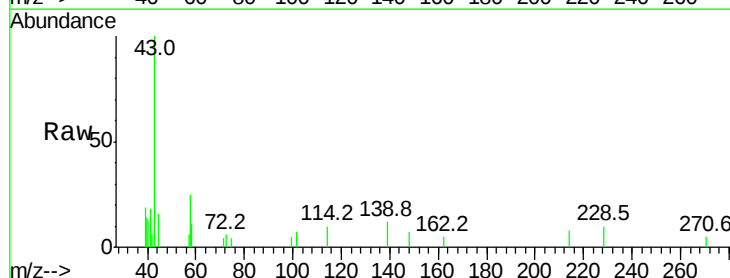
Manual Integrations
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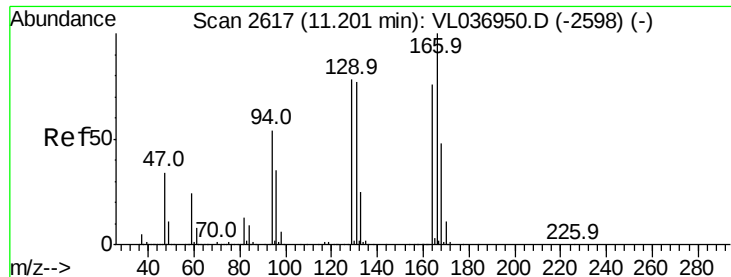
MMDadoda
 5/25/2021 6:00:35 PM



#51
 2-Hexanone
 Concen: 0.073 ppbv m
 RT: 10.18 min Scan# 2298
 Delta R.T. 0.06 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.1	61.7#
98	0.0	0.1	0.1#





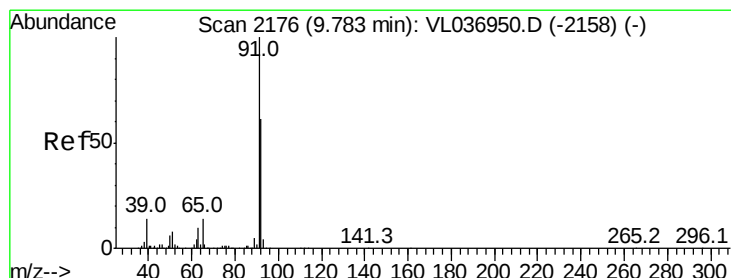
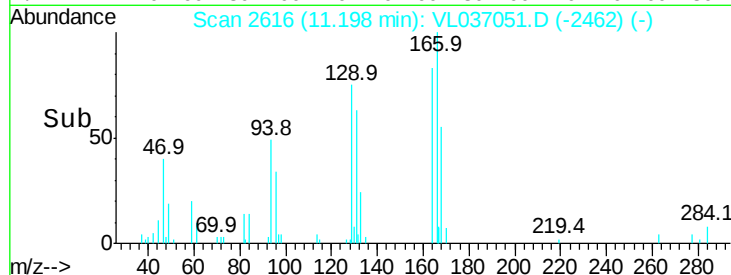
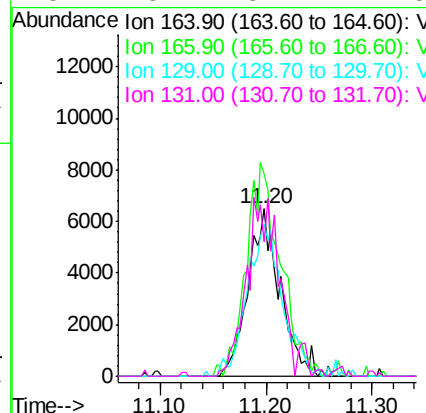
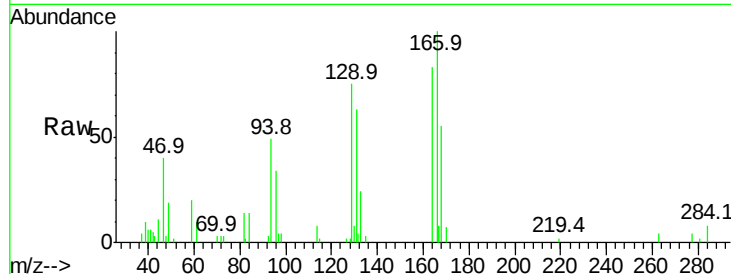
#52
Tetrachloroethene
Concen: 0.115 ppbv m
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 164 Resp: 13646
Ion Ratio Lower Upper
164 100
166 121.1 105.5 158.3
129 91.1 81.8 122.8
131 75.7 81.2 121.8#

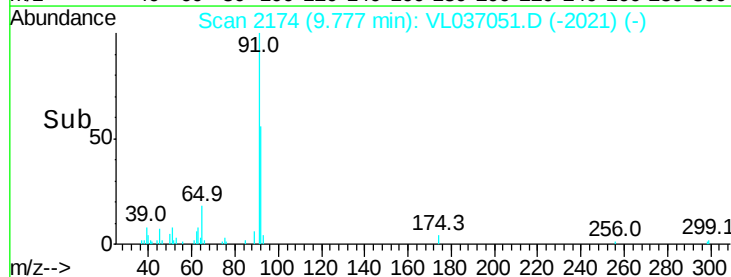
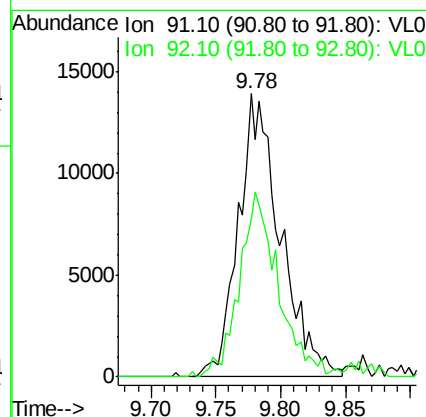
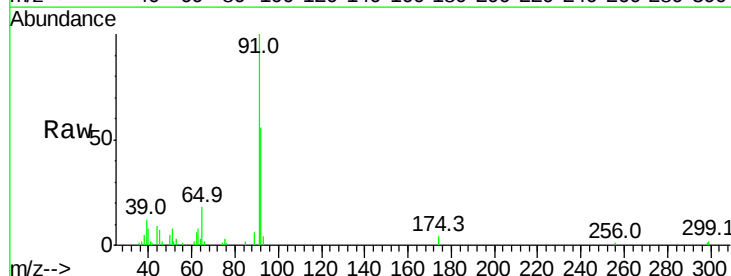
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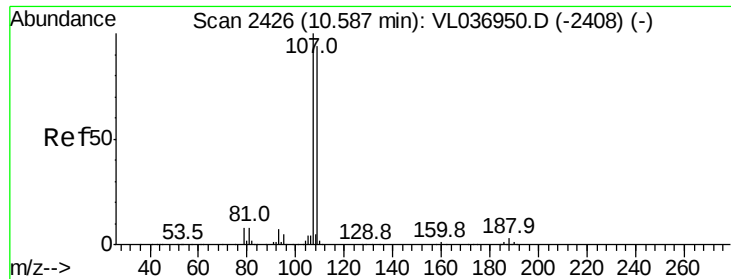
MMDadoda
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#53
Toluene
Concen: 0.088 ppbv m
RT: 9.78 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Tgt Ion: 91 Resp: 31324
Ion Ratio Lower Upper
91 100
92 0.0 49.5 74.3#





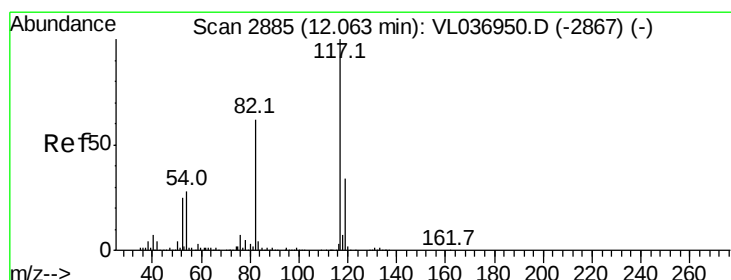
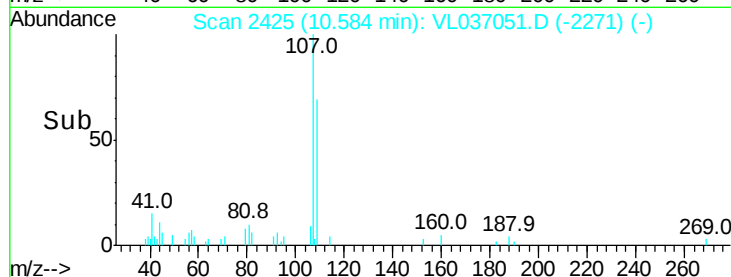
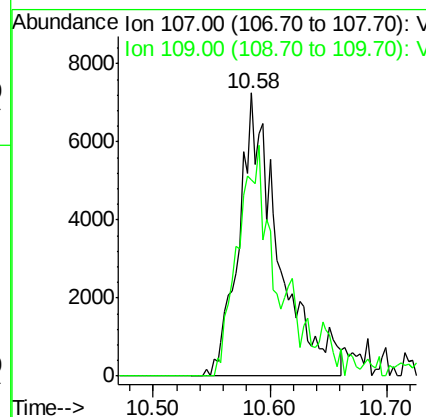
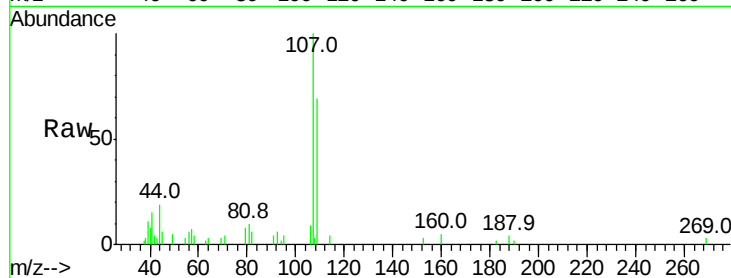
#54
1,2-Dibromoethane
Concen: 0.101 ppbv m
RT: 10.58 min Scan# 2425
Delta R.T. -0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion:107 Resp: 17252
Ion Ratio Lower Upper
107 100
109 69.2 75.0 112.4#

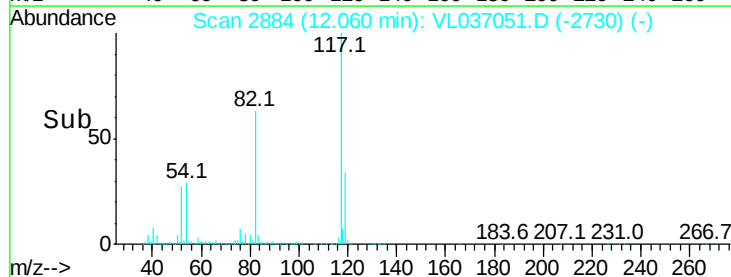
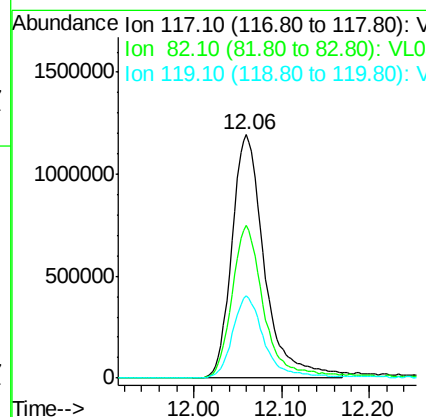
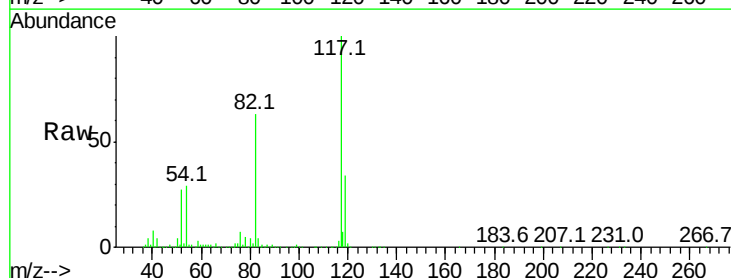
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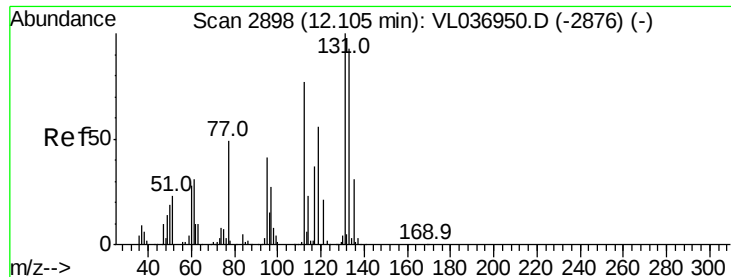
MMDadoda
5/25/2021 6:00:35 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Tgt Ion:117 Resp: 3091838
Ion Ratio Lower Upper
117 100
82 62.4 52.6 79.0
119 33.8 46.6 70.0#





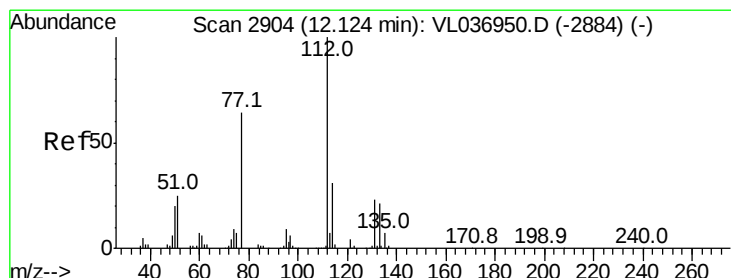
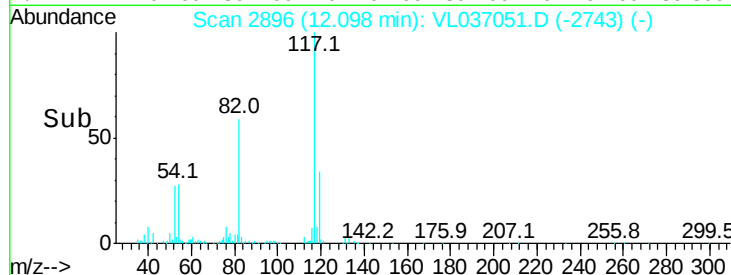
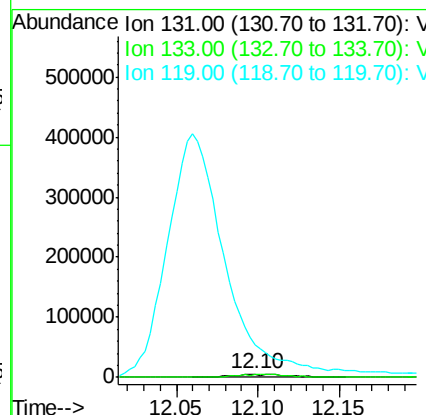
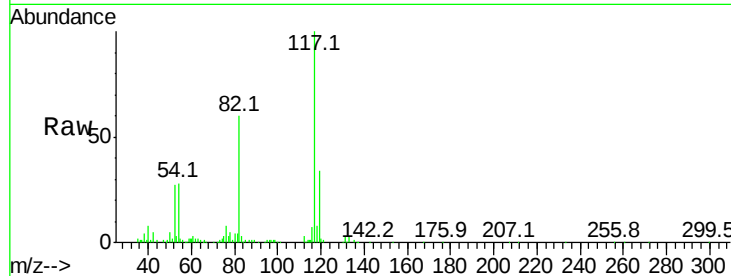
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.100 ppbv m
 RT: 12.10 min Scan# 2896
 Delta R.T. -0.01 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion:131 Resp: 13038
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.9 115.3#
 119 0.0 120.2 180.4#

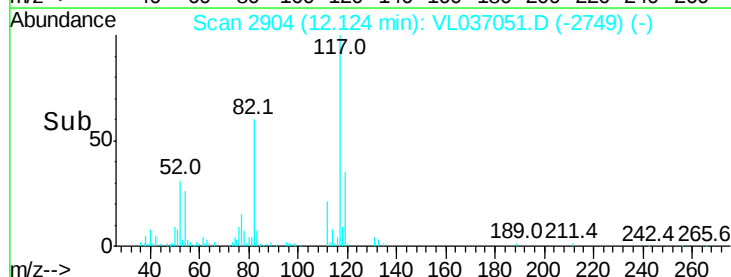
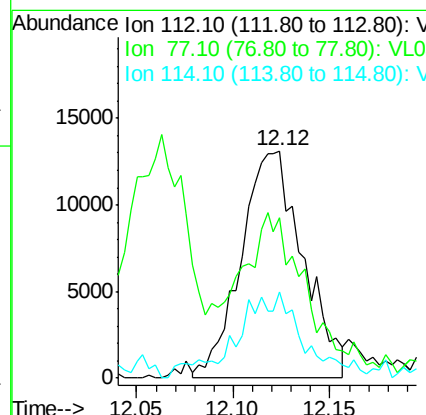
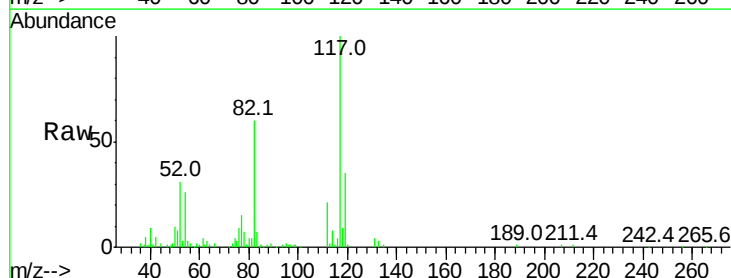
Manual Integrations
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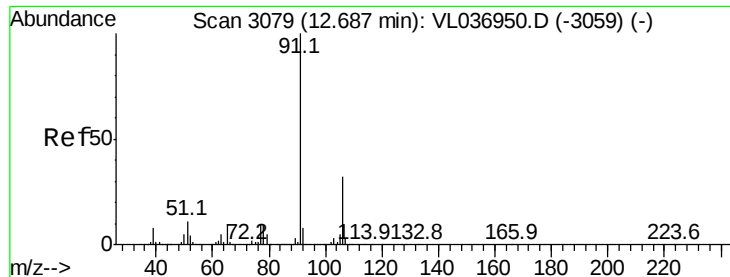
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#57
 Chlorobenzene
 Concen: 0.122 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T. -0.00 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Tgt Ion:112 Resp: 29235
 Ion Ratio Lower Upper
 112 100
 77 60.4 51.0 76.6
 114 36.8 28.3 34.5#





#58

Ethyl Benzene

Concen: 0.094 ppbv m

RT: 12.68 min Scan# 3078

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 91 Resp: 41229

Ion Ratio Lower Upper

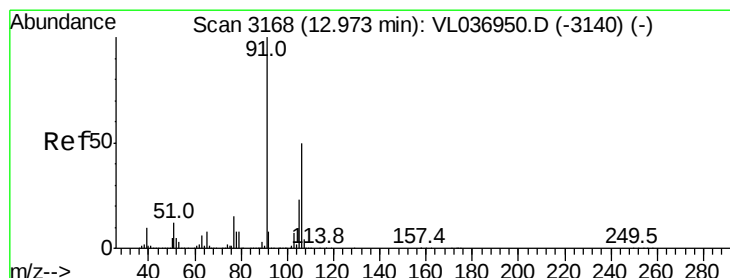
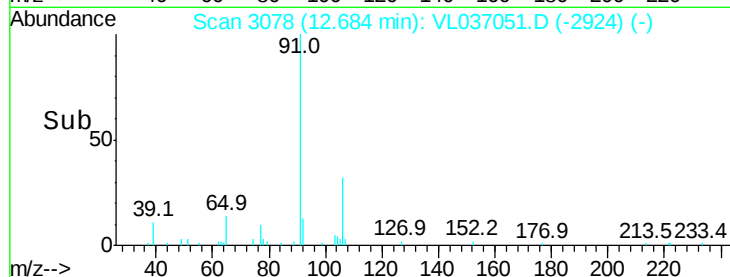
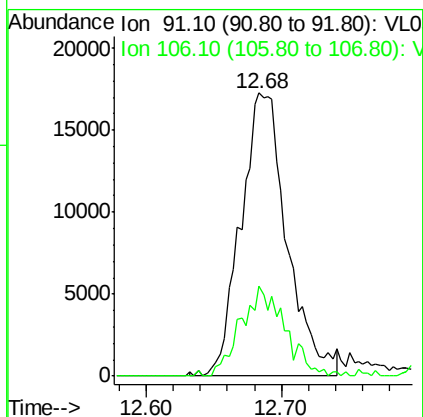
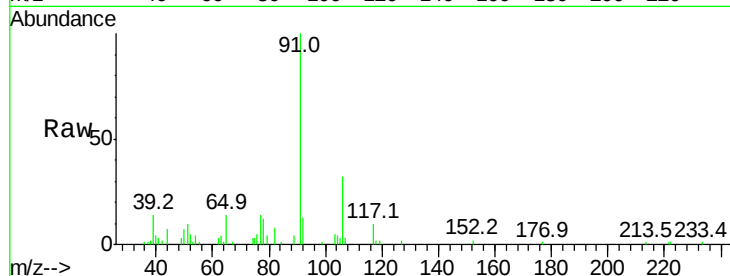
91 100

106 32.0 25.6 38.4

Manual Integrations
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#59

m/p-Xylene

Concen: 0.195 ppbv m

RT: 12.97 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VL037051.D

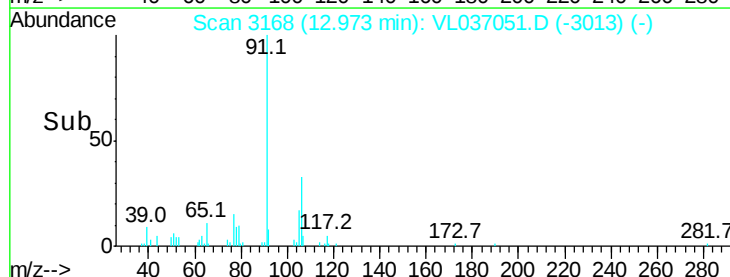
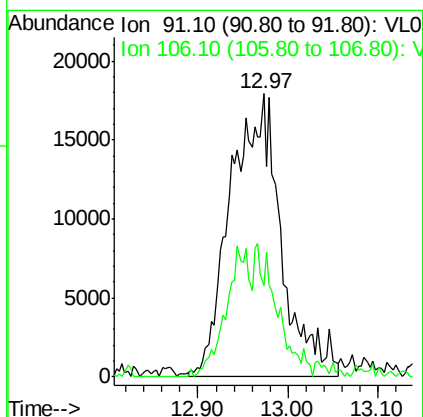
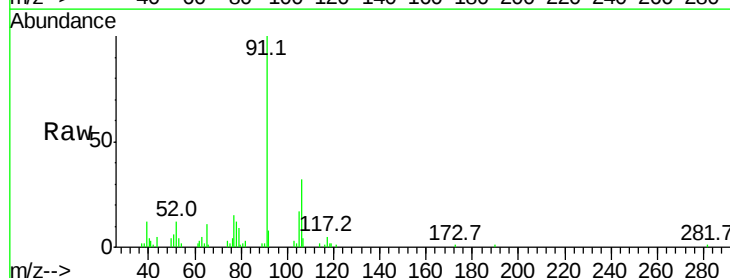
Acq: 24 May 2021 16:47

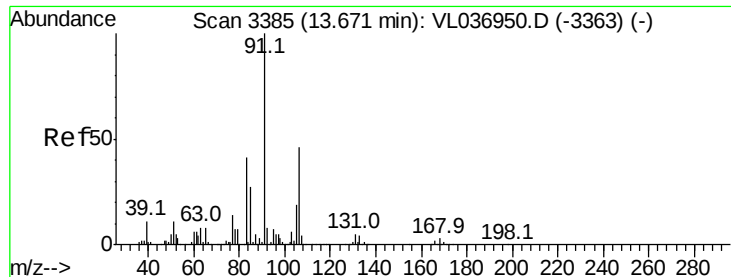
Tgt Ion: 91 Resp: 70250

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#





#60

o-Xylene

Concen: 0.111 ppbv m

RT: 13.66 min Scan# 3383

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 91 Resp: 38307

Ion Ratio Lower Upper

91 100

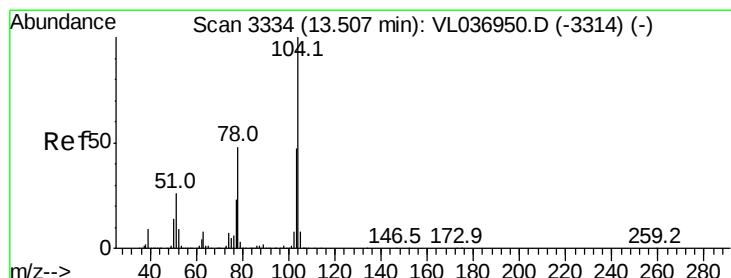
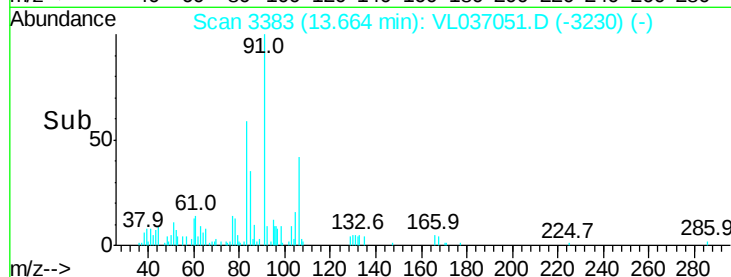
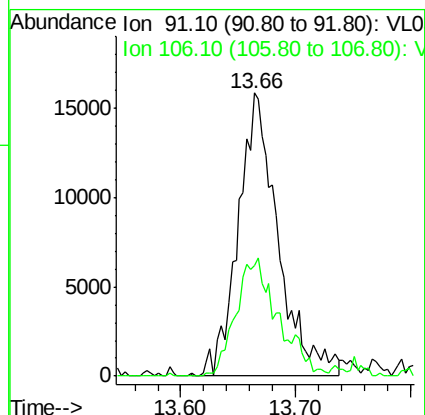
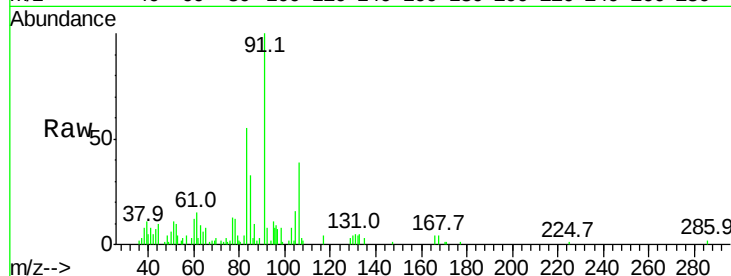
106 44.0 23.4 70.3

Manual Integrations

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#61

Styrene

Concen: 0.082 ppbv m

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

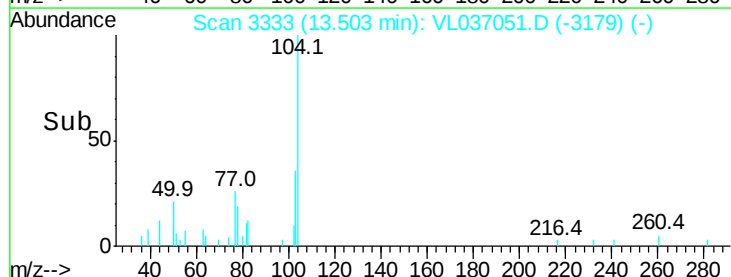
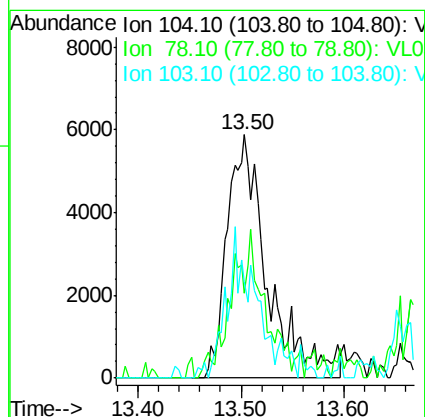
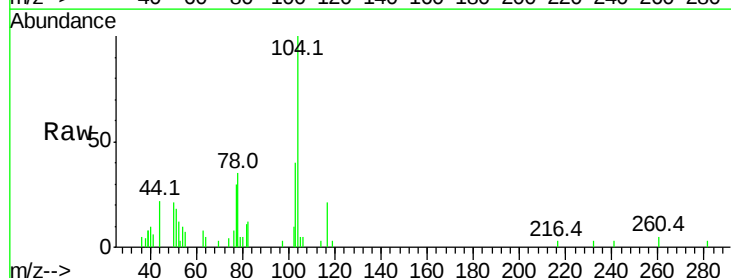
Tgt Ion: 104 Resp: 15962

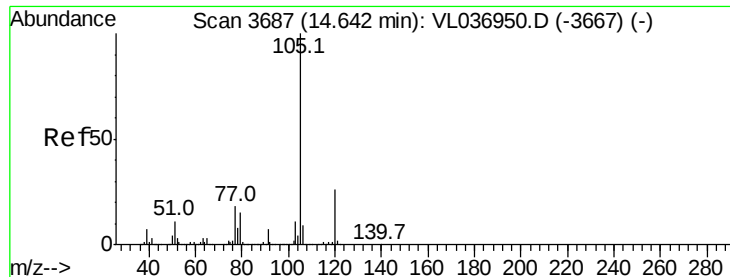
Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.6#

103 0.0 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.106 ppbv m

RT: 14.64 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:105 Resp: 52400

Ion Ratio Lower Upper

105 100

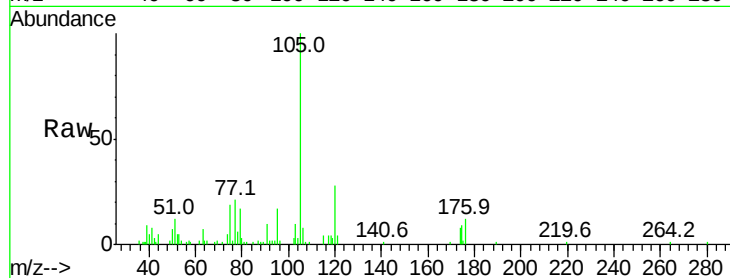
120 26.2 21.7 32.5

Manual Integrations

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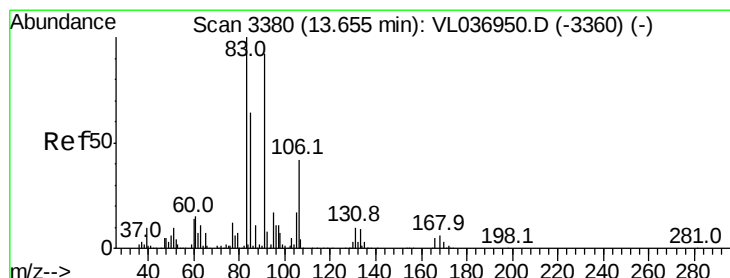
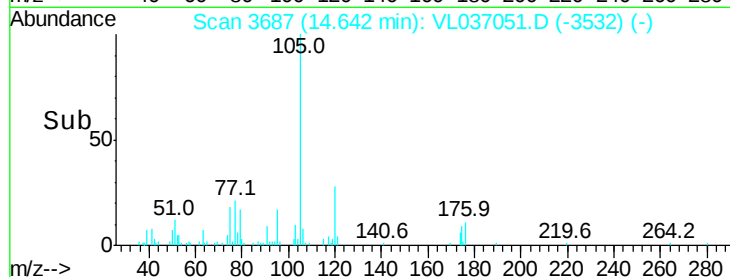
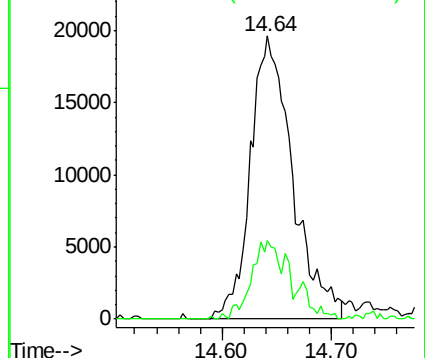
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.103 ppbv m

RT: 13.66 min Scan# 3383

Delta R.T. 0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

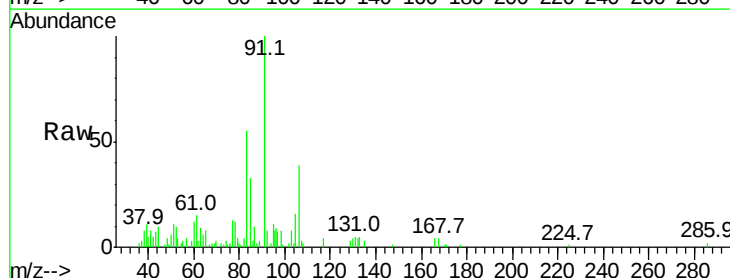
Tgt Ion: 83 Resp: 26517

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

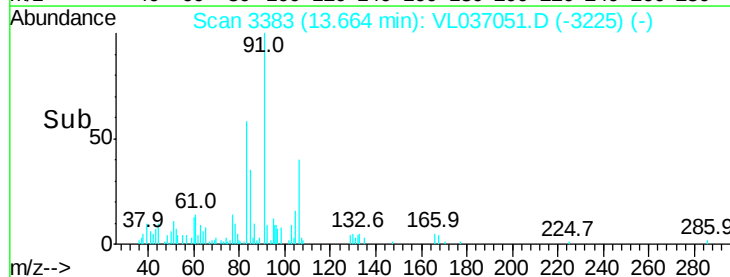
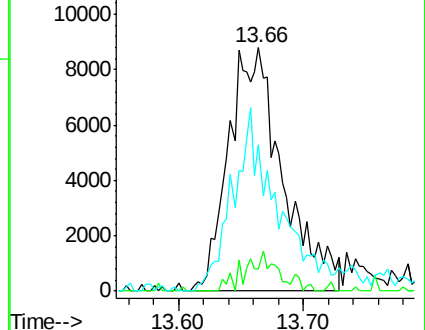
85 0.0 32.9 98.6#

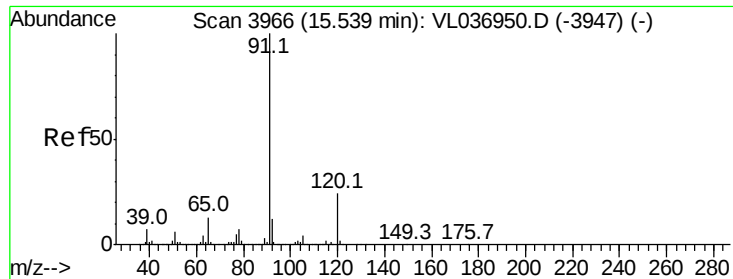


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





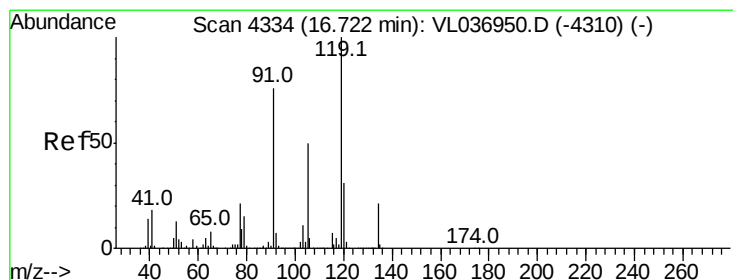
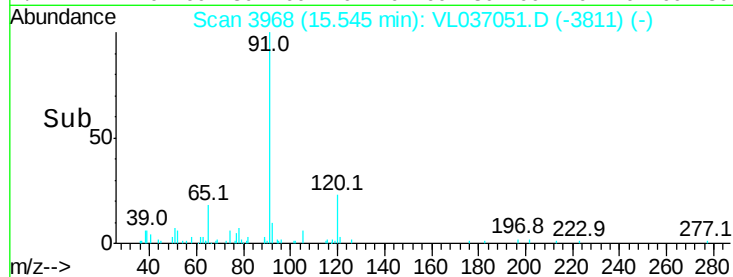
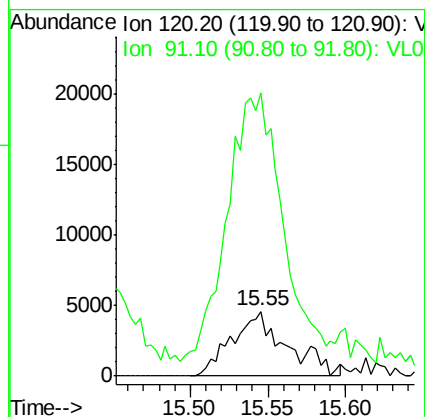
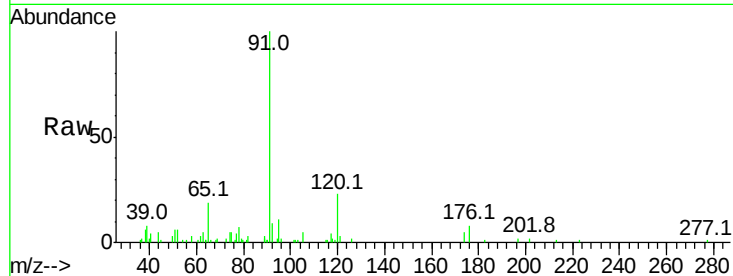
#64
n-propylbenzene
Concen: 0.088 ppbv m
RT: 15.55 min Scan# 3968
Delta R.T. 0.01 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion:120 Resp: 11245
Ion Ratio Lower Upper
120 100
91 493.9 343.8 515.6

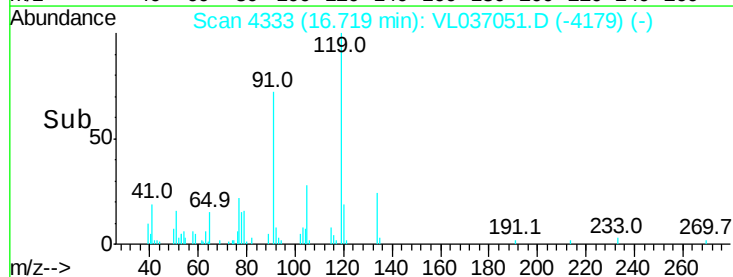
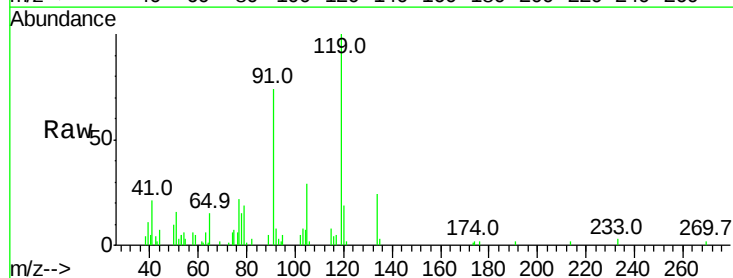
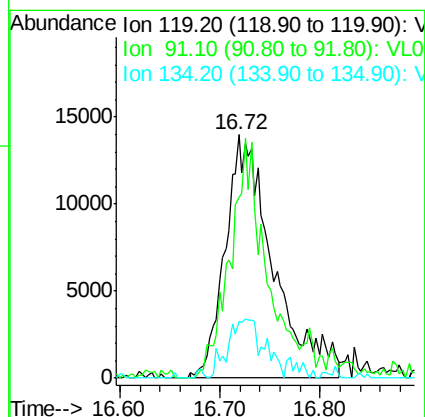
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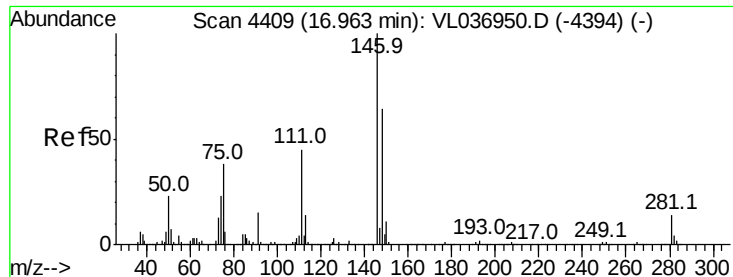
MMDadoda
5/25/2021 6:00:35 PM



#65
tert-Butylbenzene
Concen: 0.105 ppbv m
RT: 16.72 min Scan# 4333
Delta R.T. -0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Tgt Ion:119 Resp: 46697
Ion Ratio Lower Upper
119 100
91 0.0 61.9 92.9#
134 0.0 16.2 24.4#





#66

Benzyl Chloride

Concen: 0.085 ppbv m

RT: 16.98 min Scan# 4414

Delta R.T. 0.02 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

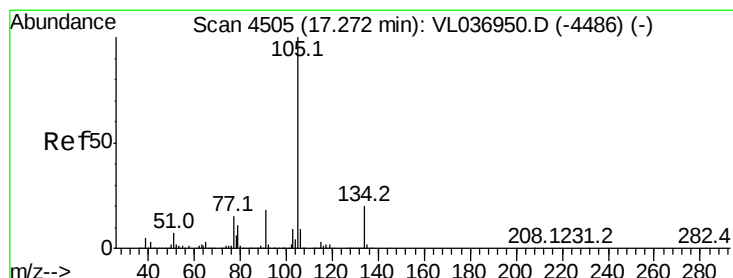
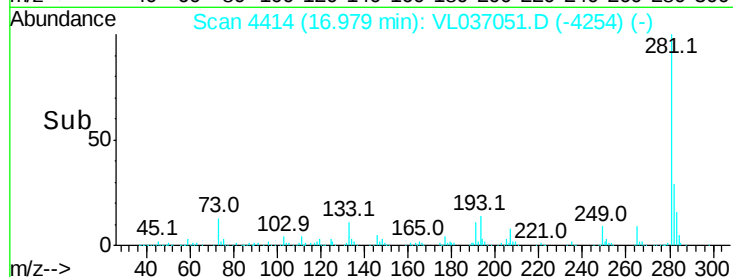
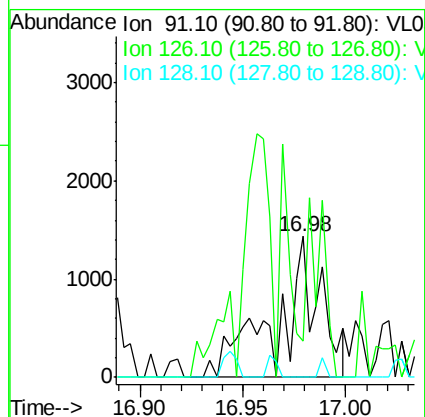
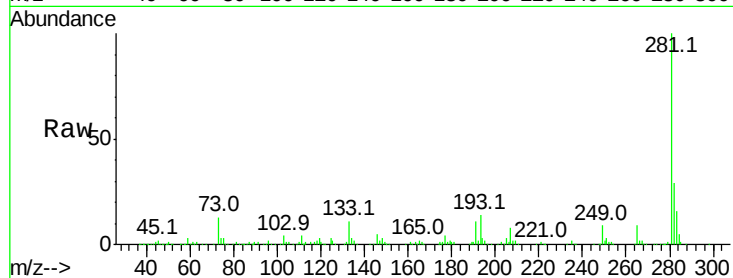
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	91	Resp:	2103
Ion Ratio	Lower	Upper	
91	100		
126	218.0	16.5	24.7#
128	0.0	5.5	8.3#

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#67

sec-Butylbenzene

Concen: 0.103 ppbv m

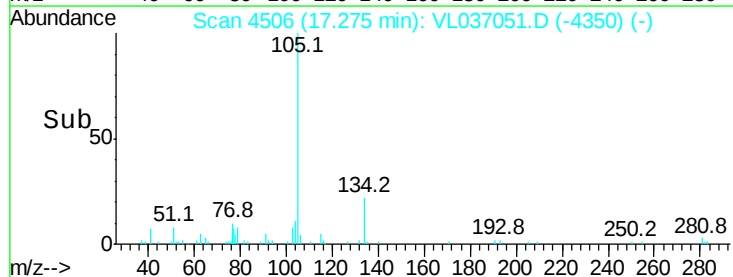
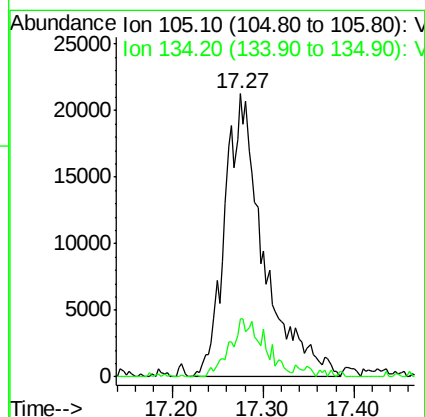
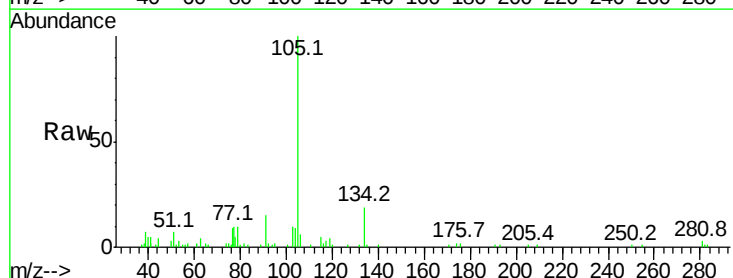
RT: 17.27 min Scan# 4506

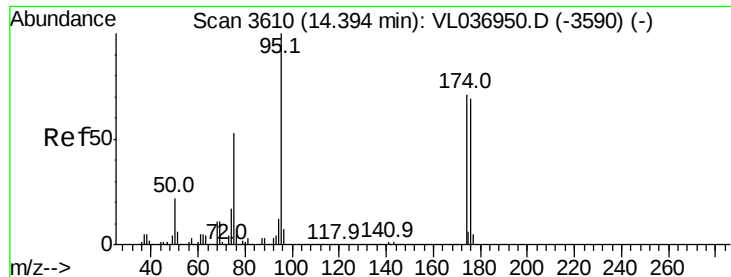
Delta R.T. 0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion:	105	Resp:	62884
Ion Ratio	Lower	Upper	
105	100		
134	0.0	15.6	23.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.586 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion: 95 Resp: 2226508

Ion Ratio Lower Upper

95 100

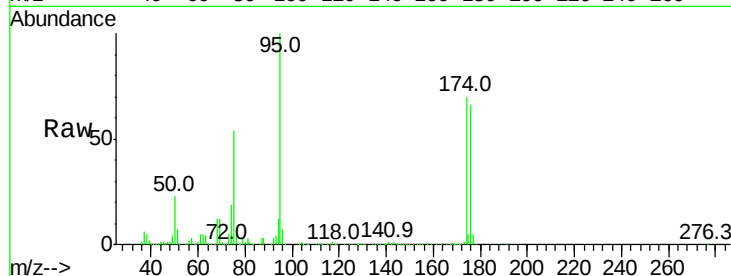
174 76.5 58.4 87.6

175 5.3 4.4 6.6

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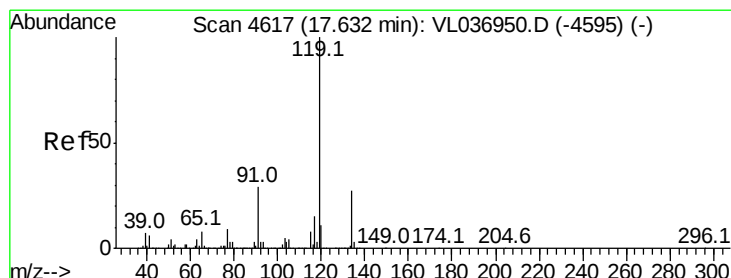
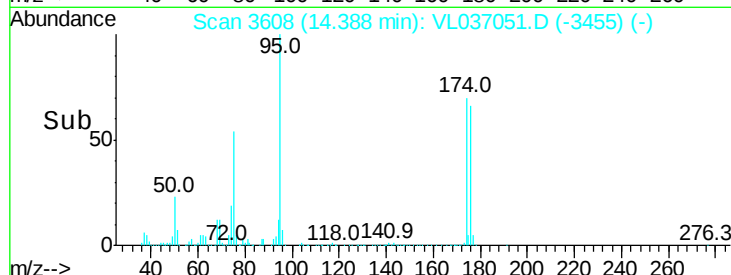
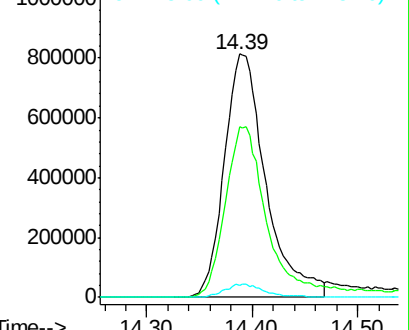
5/25/2021 6:00:35 PM



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 0.088 ppbv m

RT: 17.64 min Scan# 4618

Delta R.T. 0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

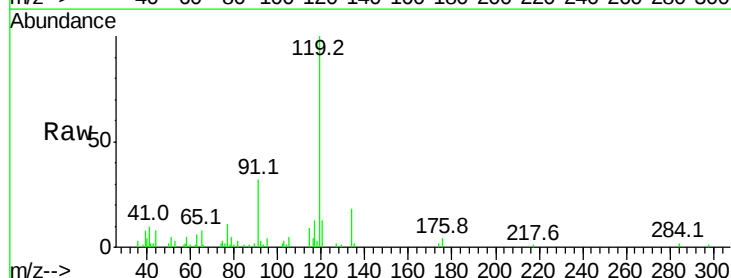
Tgt Ion: 119 Resp: 46304

Ion Ratio Lower Upper

119 100

134 0.0 21.2 31.8#

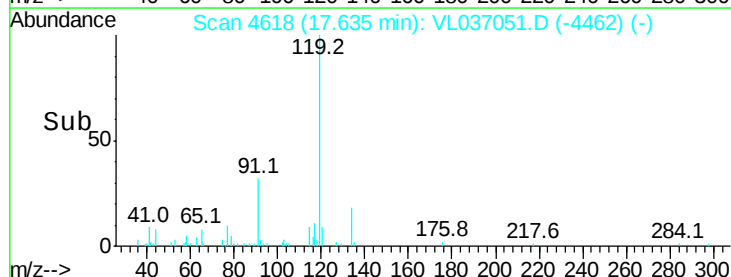
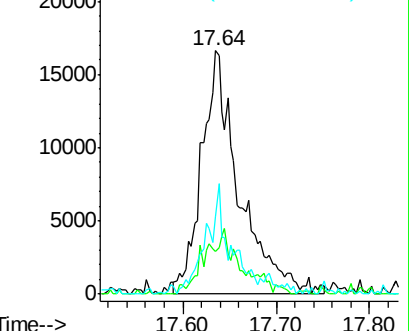
91 33.8 22.2 33.4#

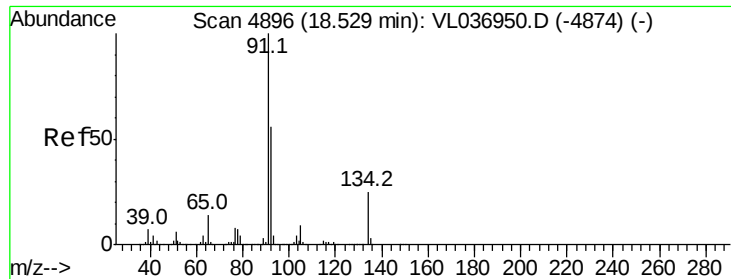


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0





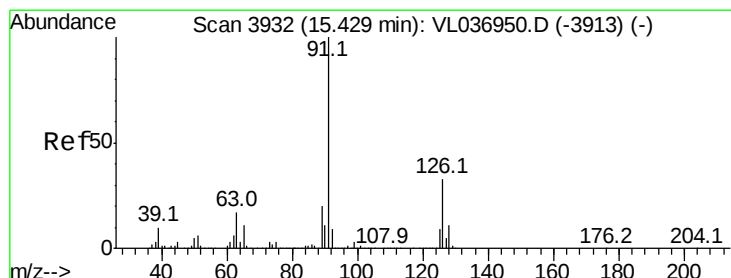
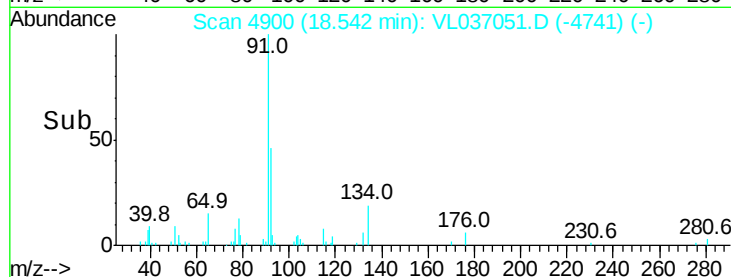
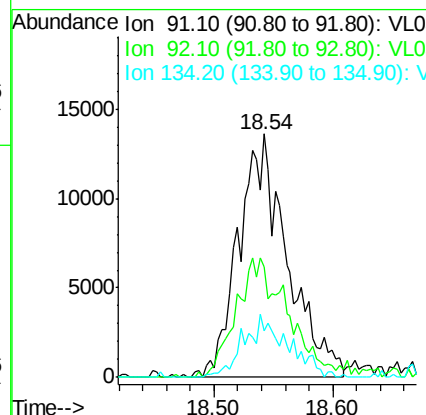
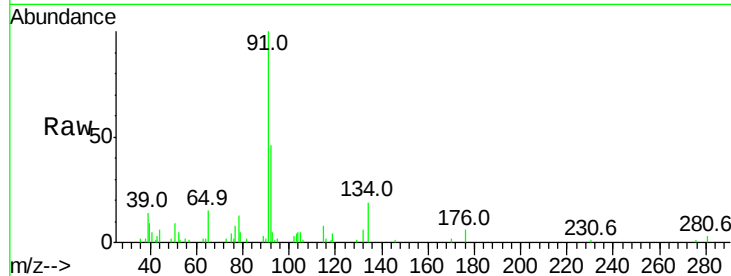
#70
n-Butylbenzene
Concen: 0.078 ppbv m
RT: 18.54 min Scan# 4900
Delta R.T. 0.01 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	0.0	44.6	66.8#
134	0.0	20.2	30.2#

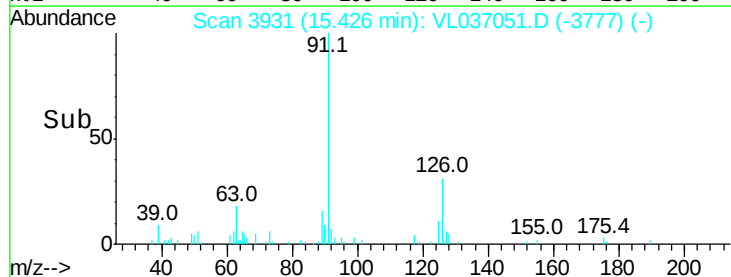
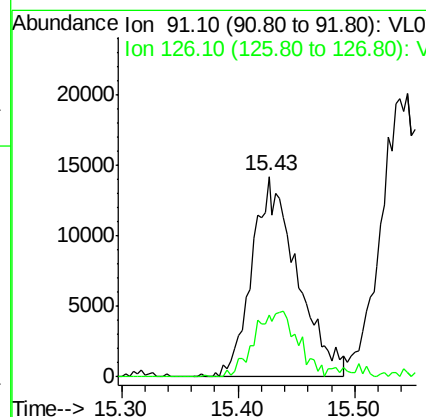
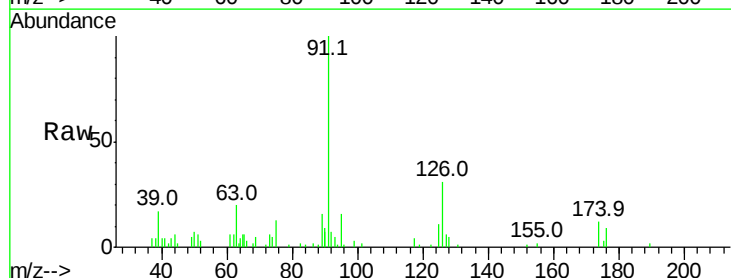
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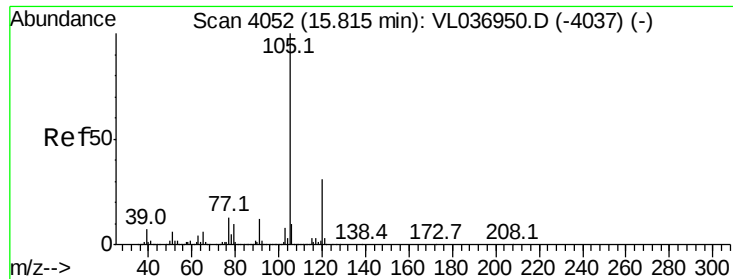
MMDadoda
5/25/2021 6:00:35 PM



#71
2-Chlorotoluene
Concen: 0.107 ppbv m
RT: 15.43 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VL037051.D
Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.1	52.5#





#72

4-Ethyltoluene

Concen: 0.089 ppbv m

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

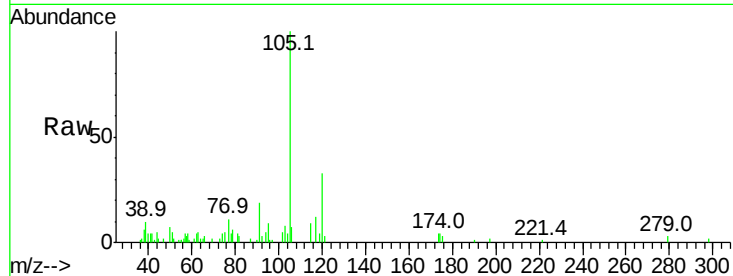
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	36304		
120	33.3	24.6	37.0	
91	0.0	9.8	14.6	
77	14.3	10.4	15.6	

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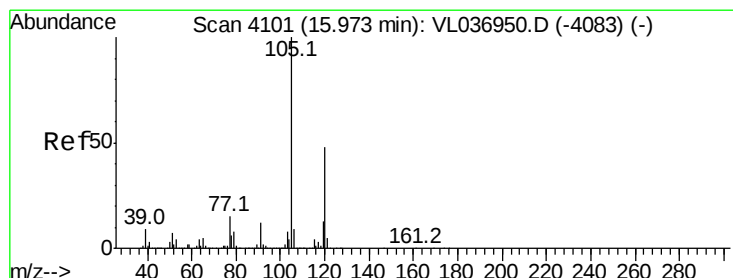
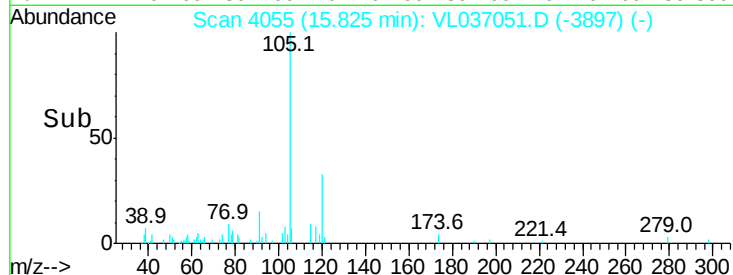
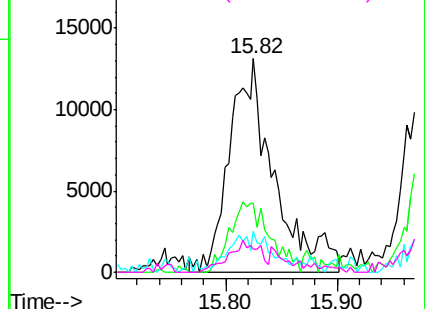


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.097 ppbv m

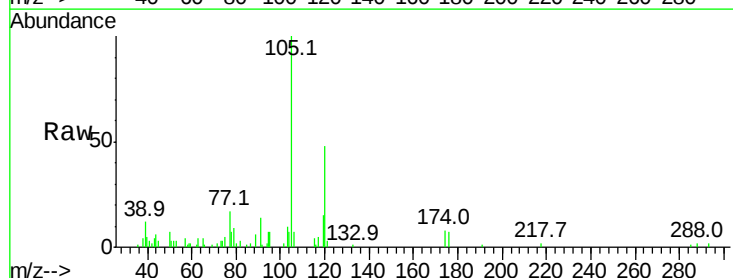
RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037051.D

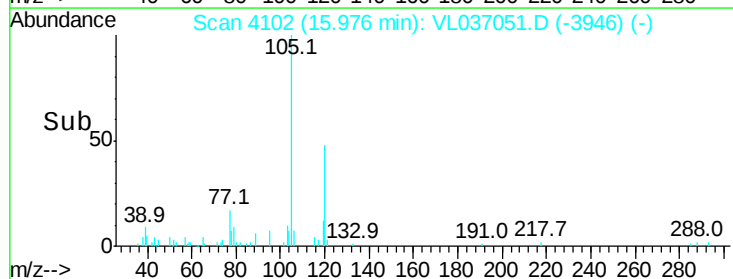
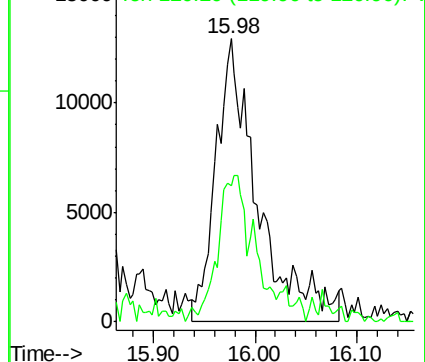
Acq: 24 May 2021 16:47

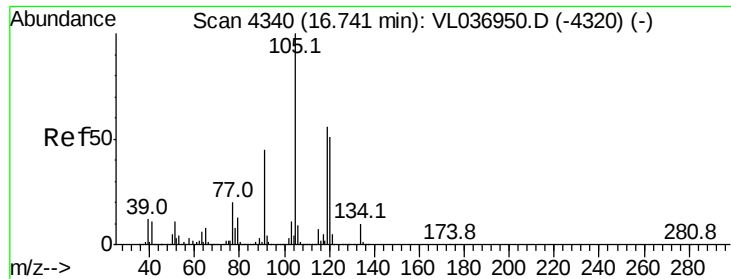
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	37033		
120	48.0	38.6	58.0	



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.095 ppbv m

RT: 16.75 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

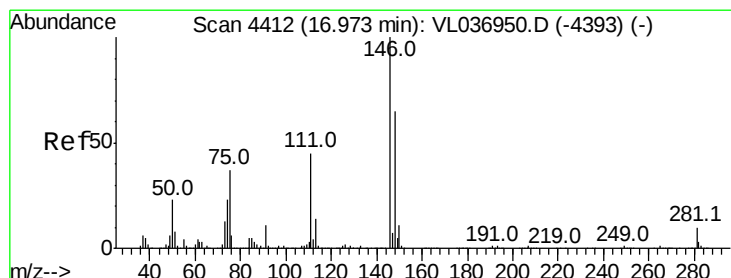
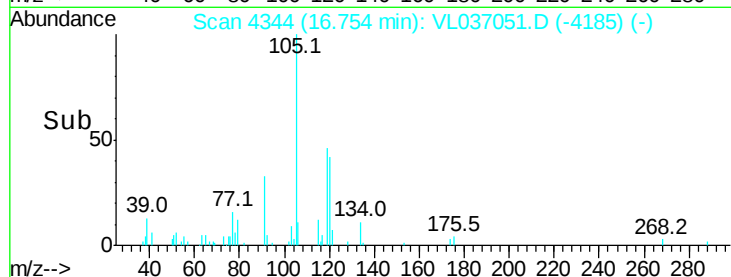
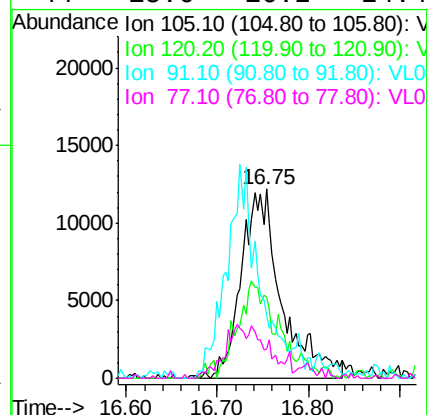
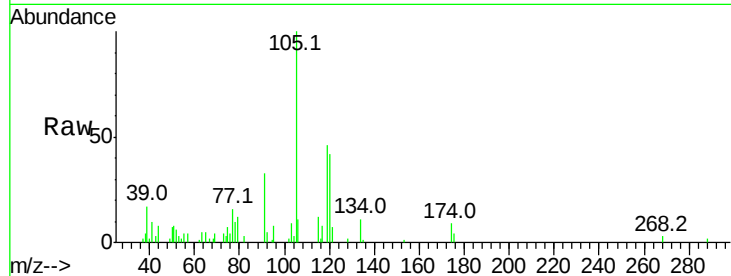
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	37484		
120	42.3	40.6	61.0	
91	33.2	37.4	56.0	
77	15.6	16.2	24.4	

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#75

1,3-Dichlorobenzene

Concen: 0.111 ppbv m

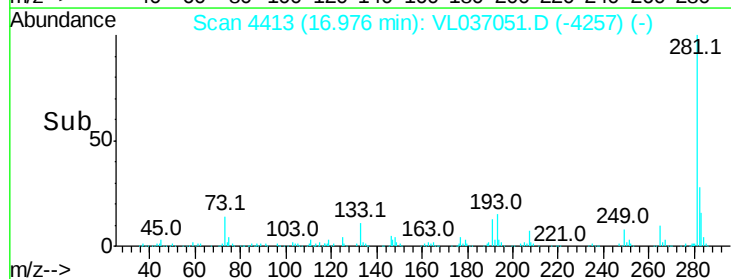
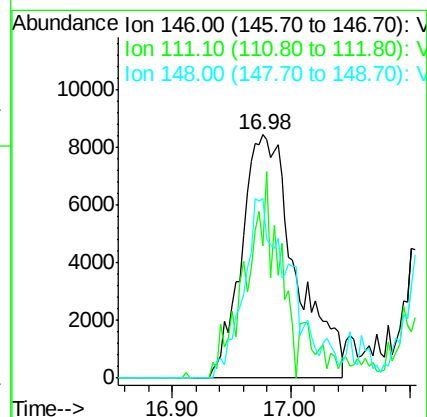
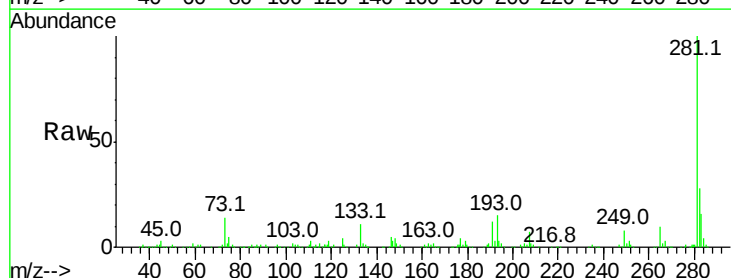
RT: 16.98 min Scan# 4413

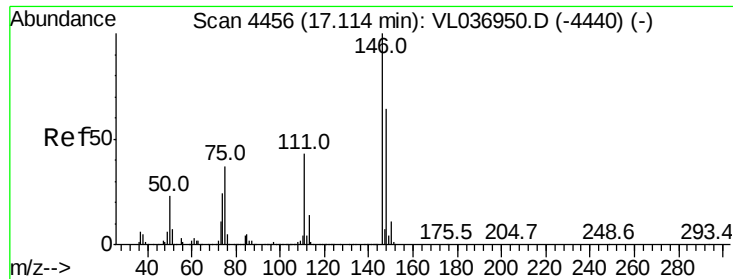
Delta R.T. 0.00 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	26833		
111	63.3	22.2	66.6	
148	67.3	32.3	96.8	





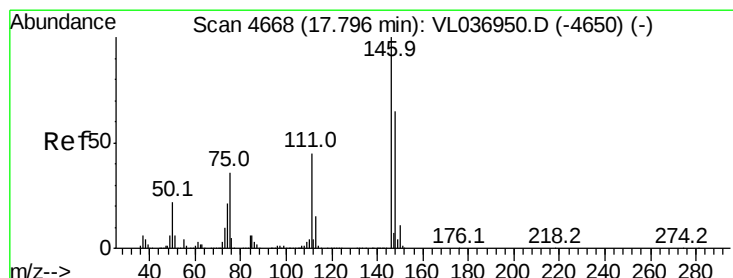
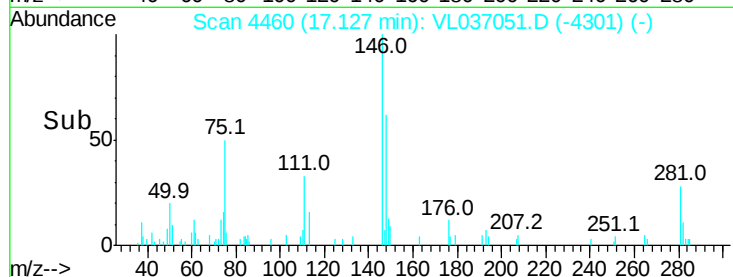
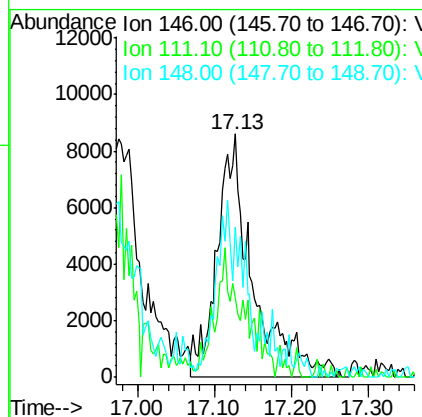
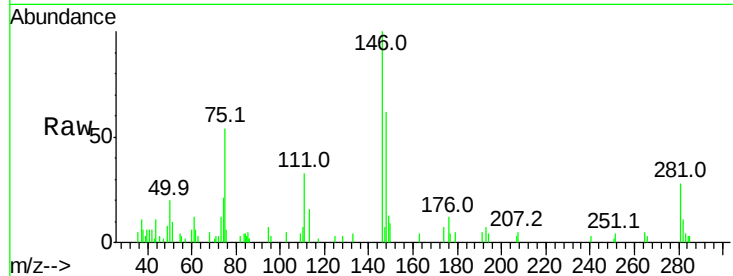
#76
 1,4-Dichlorobenzene
 Concen: 0.114 ppbv m
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.6	67.7
148	66.8	33.5	100.5

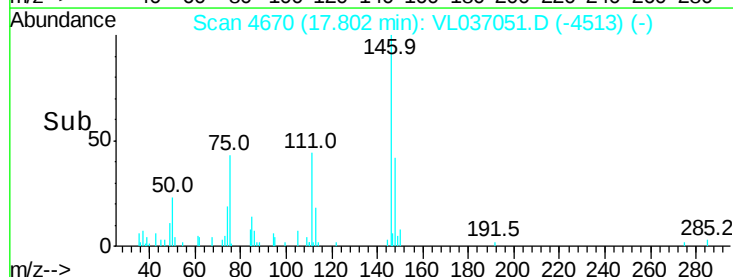
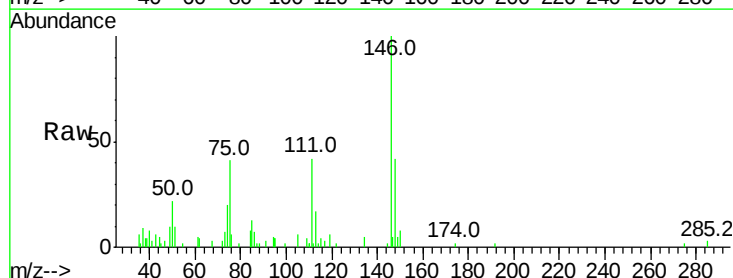
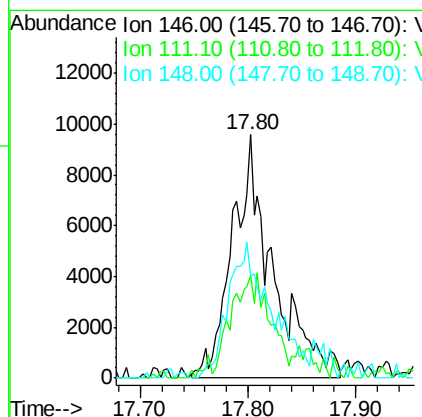
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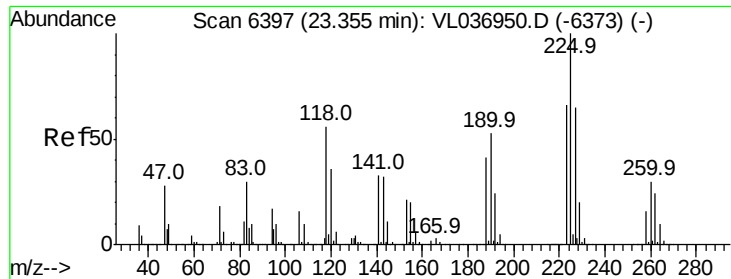
MMDadoda
 5/25/2021 6:00:35 PM



#77
 1,2-Dichlorobenzene
 Concen: 0.103 ppbv m
 RT: 17.80 min Scan# 4670
 Delta R.T. 0.01 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.1	69.2#
148	0.0	32.5	97.4#





#78

Hexachloro-1,3-Butadiene

Concen: 0.116 ppbv m

RT: 23.37 min Scan# 6401

Delta R.T. 0.01 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Instrument :

MSVOA_L

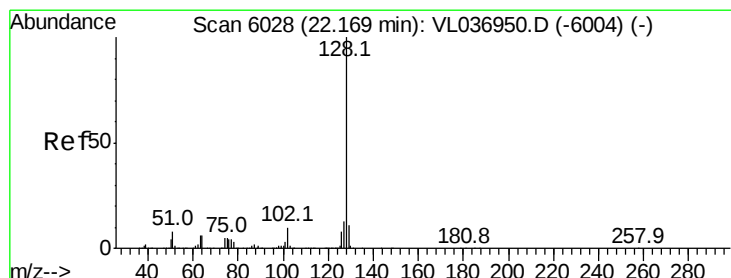
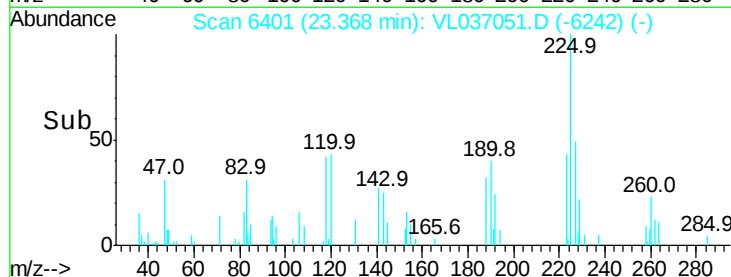
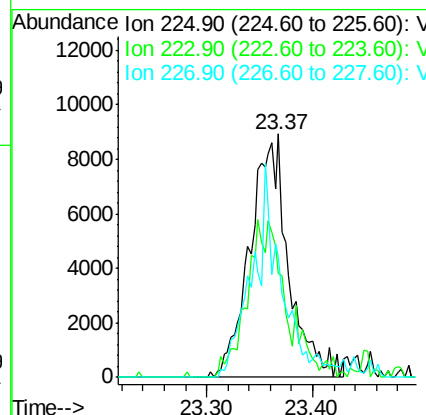
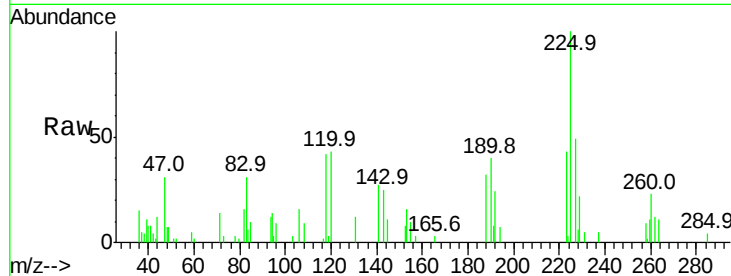
ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tgt Ion:	225	Resp:	22559
Ion Ratio	Lower	Upper	
225	100		
223	66.3	51.9	77.9
227	64.8	51.8	77.6

Manual Integrations
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#79

Naphthalene

Concen: 0.040 ppbv m

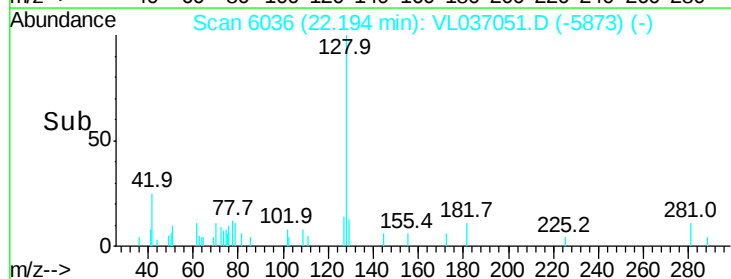
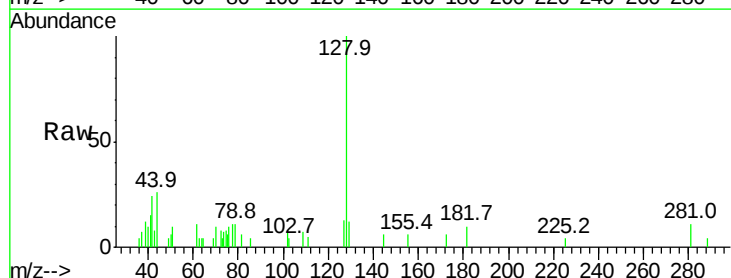
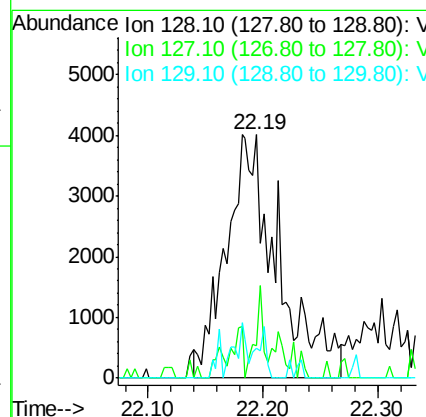
RT: 22.19 min Scan# 6036

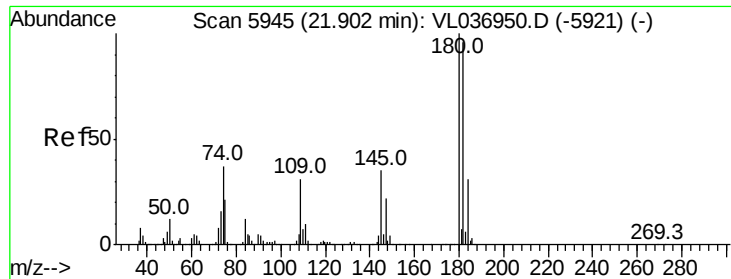
Delta R.T. 0.03 min

Lab File: VL037051.D

Acq: 24 May 2021 16:47

Tgt Ion:	128	Resp:	12527
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	12.3	9.0	13.6





#81
 1,2,4-Trichlorobenzene
 Concen: 0.053 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.02 min
 Lab File: VL037051.D
 Acq: 24 May 2021 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	81.7	122.5#
184	0.0	24.9	37.3#

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 6:00:35 PM

